Lancaster Farming

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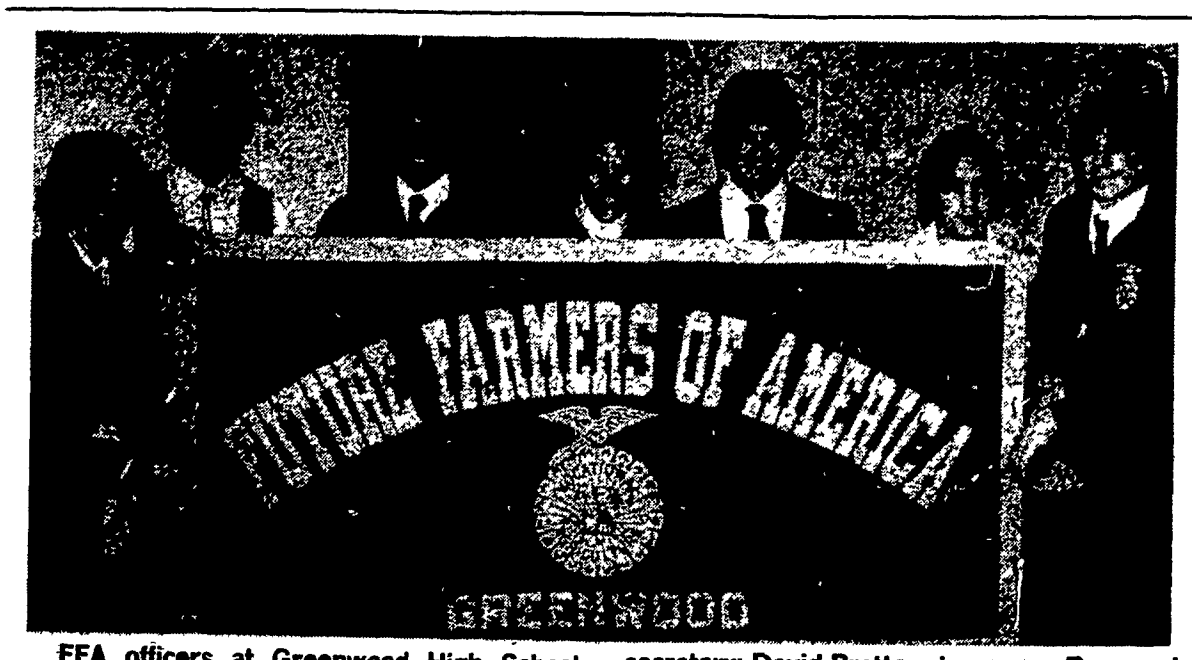

FFA officers at Greenwood High School, Millerstown, Perry County, proudly display banner for the state's newest Future Farmers of America chapter. Officers include, from the left, Myron Byers, president; Wade Sarver, secretary; David Bratton, treasurer; Raymond McGowen, reporter; Tom Gothel, sentinel; James Lower, chaplain; and Mike Sarver, vice president.

Pa. FFA welcomes Greenwood Greenhands

BY DICK ANGLESTEIN

MILLERSTOWN — Pennsylvania welcomed its newest Future Farmers of America chapter Thursday night – the 209th throughout the Commonwealth

It's a chapter with 30 members – not bad for a high school that has a graduating class of about 60.

All the members are Greenhands, first-year vo-ag students, naturally.

It's a chapter that's gradually adding equipment and courses of ag-related study and FFA activities.

It's a chapter with a busy civic-minded farmer serving as instructor and chapter adviser during its first year.

It's a chapter that had been absent from the vocational agricultural scene for more than a decade and a half and was finally reborn Thursday night after some three years of continuing interest and active encouragement by a group of Perry County farmers and other persons

It's the Greenwood FFA Chapter of Greenwood High School in the rural Perry County borough of Millerstown.

And farmer-advisor Glenn Cauffman expressed the chapter's rebirth best Thursday night during initiation ceremonies for the Greenhand membership:

"We lack many things in our new chapter," he said.

"But the students overcome this lack of things with a wealth of

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Inside This Week's...

National 4-H Congress in Chicago again this year has drawn to a close as 15 members from Pennsylvania, Maryland, Delaware and New Jersey earn national awards. Find out more on pages...B18 and B24.

Two Lackawanna County dairymen shoot for a baker's dozen when it comes to high herd averages. Read their story on...B20.

Elco Young Farmers honor top crop, dairy producers. See the winners on...A27.

PMMB studies milk price reversal; may appeal

BY DONNA TOMMELLEO

HARRISBURG — The Pennsylvania Milk Marketing Board will possibly appeal a recent Commonwealth Court ruling which reversed and remanded the PMMB's ordered price increase in three eastern Pennsylvania counties, Earl B. Fink, Jr., PMMB executive secretary said Thursday.

Fink explained the board is still studying the ruling, which eliminated the proposed 12 cent per gallon retail price hike in Bucks, Chester and Montgomery Counties (Area 1 Zone 2).

The PMMB can grant an increase in the minimum retail price, providing dealers present sufficient evidence to indicate their production costs have risen. The Area 1 Zone 2 hearings included the testimony of four dealers.

The unanimous decision, handed down last week by Judge David Craig of Pittsburgh, capped a 15-month battle spearheaded by consumers and Lily Penn, which operates a chain of convenience markets in suburban Philadelphia.

Lily Penn and the consumer group opposed the PMMB's price increase and appealed to the Commenwealth Court.

The court's ruling will probably produce a few changes in the PMMB's 44-year-old price determining system, according to Henry Geisinger, vice president of the Pennsylvania Association of Milk Dealers.

"I don't think it's the end of milk control," said Geisinger, "but there is going to be some changes."

Geisinger, whose group is presently studying the court's ruling, said one of the changes may be in the area of interstate movement of milk.

"The board can't go across the state line and ask to see figures," Geisinger explained.

According to a spokeswoman from Judge Craig's office, the interstate and inter-zone movement of milk was a significant factor in the court's decision.

The board report indicated that 29.2 percent of the milk sold in zone 2 was processed in zone 1 and 11.6 percent of the milk sold in zone 2 was processed out of state.

Judge Craig wrote, "the operations of dealers or handlers located outside the marketing zone so intergrally affect the sale and distribution of milk within the zone, we believe that the language of the section should not be so strictly construed as to limit board consideration of dealers only to those physically situated within the subject area."

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Tax reform bills face farmer opposition

HARRISBURG — The Pennsylvania House Finance Committee wrapped up its hearings on the Stauffer tax reform bills this week, according to a spokesperson for Rep. Benjamin Wilson (R-144th), committee chairman. The Committee will be considering this legislation at a meeting scheduled for Dec. 9 at 8:30 p.m. in Room 140 of the Capitol Building.

Senate Bills 1085 and 1086, which would replace the school property tax with a local personal income tax and a business use or occupancy tax, moved to the House Committee in October after the Senate passed the legislation with a vote of 30-16. The prime sponsor of the legislation is Senate Majority Whip John Stauffer (R-19th) County Republican.

Since the bills reached the House Committee, little progress was made in getting them passed. For, during the second week of November, the Committee voted 22-2 to hold public hearings on the issue.

Committee Chairman Wilson, who is described by the Pennsylvania Chamber of Commerce as a proponent of local tax shifting, has his own set of tax reform bills in the till — House Bills 1184-1188. It has been predicted that the Stauffer bill will not remain intact in the House, and will probably be amended by Wilson and others.

Two of the three major farm organizations have gone on record as opposing SB 1085-1086. The Pennsylvania State Grange submitted testimony on November 18 against the Stauffer package and the business use or occupancy tax.

"Tax reform would provide relief to farmers and rural property owners, but the Stauffer bills don't go far enough," said a Grange spokesperson. The State Grange policy calls for a gradual shift from real estate taxes for education to net income tax on personal income or incorporated businesses.

Saying the tax reform proposal would create a double burden for the farmer, the State Grange said it feels farmers would have to pay the taxes that were reduced for landlords. And, taxes lost on vacant lands or from idle farms held by absentee landowners would also become additional burdens to the paying public.

"This package is almost a

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Columns

Editorials, A10; Now is the time, A10; Brockett's Ag Advice, A19; That's a good question, A30; Farming's Futures, A36; Ladies, have you heard?, B4; Joyce Bupp's Column, B10; Ida's Notebook, B7.

Dairy

Lancaster DHIA, D4; Bradford DHIA, D12; Milk Market News, A30; No. 1 Red & White Herd in PA, A22; Delaware dairymen grow no-till corn, A16.

Home and Youth

Homestead Notes, B2; Home on the Range, B6; FWS news, B9; 4-H news, B13; Kids's Korner, B12; FFA news, B16; Chester 4-H dairy banquet, B26; Farmland Preservation, D9; Farm Safety, B30.

A closing year means Farm Show's near

LANCASTER — It's hard to believe that already we have leafed through all 12 pages of our calendar since our last Farm Show issue hit the press. But as the coming cold weather and short days indicate, Farm Show is only a little over a month away.

This year's LANCASTER FARMING Farm Show issue will be in your mailbox January 9, the weekend the 1982 Show opens. And, in sticking with tradition, the issue will be even bigger and better than last year's.

Farm Show 1982 will run from Sunday, January 10, to Friday, January 15. The usual array of quality livestock, association meetings, machinery displays and farm-related booths will await visitors.

We want to take this chance to remind readers and advertisers to gather up material of interest for submission. This year, our closing advertising date will be December 31, and for news our deadline is Wednesday, January 6.

Our Farm Show issues will have advance publicity on all action including a schedule of events, handy pull-out maps of the Show, articles on FFA, Keystone Degree winners, a list of exhibitors and more.

If you have something to contribute, contact LANCASTER FARMING, Box 366, Lititz, PA, 17543, or call 717-626-1164 or 717-394-3047.

Livestock market and auction news

Lancaster Market

Monday, November 30
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	734	139	1148	76
Last Mon.	609	121	848	124
Last Year	775	76	843	38
Monday's Auction	676	141	1169	128
Last Monday's Auction	640	128	817	128

CATTLE: Trend not comparable, market not reported last Monday, insufficient volume last Wednesday for a market test Supply included 61% slaughter steers, 16% cows, 13% bulls, and 10% slaughter heifers.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1175-1350 lb. 63.50-65.50; Good and Choice 1-2 1100-1425 lb. 63.75-65 35, few head 66.25-67.10; Choice 2-4 1025-1375 lb. 61.85-63.50, few 63.50-64.10; high Good and low Choice 2-3 1025-1275 lb. 60.50-62.50; Good 2-3 1000-1250 lb. 58.50-61.50; Good and Choice 1250-1400 lb. Holsteins 55 25-58.00; few Standard 1-2 49.00-53.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1050 lb. 58.00-59 00, couple head 60.00-61.00; Good 2-3 800-1025 lb. 55.00-57.50.

COWS: Utility and Commercial 1-3 38.50-40.50, couple 41.50-42.75, Commercial 3-4 36.25-39.75; Cutter 1-2 38.00-40.50, few 40.50-41.25; Canner and low Cutter 34.75-37.50.

BULLOCKS: Choice 1000-1350 lb. 59.50-61.85, individual 64.85; Good 1000-1250 lb. 52.00-56.00.

BULLS: Yield grade 1 1300-1900 lb. 50.50-54.50, few 55.00-57.00, individual 1840 lb. 59.35; yield grade 2 1000-1700 lb. 45.50-50.50.

VEAL CALVES: Trend not comparable; demand good for all classes. Supply included on lot Prime special fed 320-370 lb. bought to arrive at 120.00.

VEALERS: Few Prime special fed 270-320 lb. 113.00-121.00; Choice 140-280 lb. 89.00-100.00, few 100.00-107.00; high Good and low Choice 140-250 lb. 65.00-85.00, 80-110 lb. 35.00-50.00, few 50 00-55.00.

RETURNED TO FARM: Bulk 95-115 lb. Holstein heifers 80.00-90.00, few 115-130 lb. 85.00-108.00; bulk 80-115 lb. Holstein bulls 75.00-90.00.

SHEEP· No trend available.

WOOLED LAMBS: Few head Choice 90-105 lb 60.00, bulk Choice 80-105 lb. 50.00-52.00, one lot Choice 60 lb. 60.00; Good 65-95 lb. 45.00-50 00.

SLAUGHTER EWES· Utility and Good 28.00-32.00.

Vintage Livestock

Tuesday, December 1
Report supplied by USDA

	Cattle	Calves	Sheep
Today	608	815	11
Last Tuesday	699	924	38
Last Year	854	819	18

CATTLE: Compared to last Tuesday slaughter steers steady with some sales Good to low Choice 50-1.00 higher; slaughter heifers not tested; cows firm to 1.00 higher, with Utility and Commercial 1.00-2.00 higher; bulls and bullocks not fully tested. Supply included 52 per cent slaughter steers and 45 per cent cows.

SLAUGHTER STEERS: Few head high Choice and Prime 3-4 1175-1425 lb. 64.85-66.00; Good and Choice 1-2 1050-1350 lb. 64.50-66.50, 10 head 67.00-69.35; Choice 2-4 1050-1450 lb. 63.00-64.75, few early 65.00-66.00, few late 62.50-63.00; high Good and low Choice 2-3 1000-1350 lb. 60.00-63.75, one load late 3 to mostly 4 1250-1400 lb. 58.00-61.00; Good 2-3 58.00-61.00.

SLAUGHTER HEIFERS: Few head Choice 2-3 925-1025 lb. 59.25-61.00.

COWS: Utility and Commercial 1-3 38.50-42.50, few 42.50-44.25; Cutter 1-2 37.00-40.50, few 40.50-43.00; Canner and low Cutter 34.00-37.25.

BULLOCKS: Few Choice 1150-1325 lb. 59.00-60.75; couple Good 1200-1360 lb. 55.00-57.00.

BULLS: Yield grade 1 1445-2065 lb. 51.85-55.85, couple yield grade 2 48.25-49.85.

VEAL CALVES: Vealers firm to 5.00 higher. Supply included 550 in graded sale of which 64 per cent sold to return to farm.

VEALERS: Few head Choice 160-250 lb. 86.00-91.00, individual 97.00; high Good and low Choice 140-260 lb. 65.00-85.00, 115-140 lb. 58.00-70.00, 90-115 lb. 47.00-55.00 few 55.00-60.00, 80-90 lb. 42.00-52.00, few 65-80 lb. 30.00-42.00.

RETURNED TO FARM: 65 head 90-105 lb. Holstein heifers 125.00-152.00; one lot 110-120 lb. 116.00. 195 head 100-125 lb. Holstein bulls 70.00-83.00; 35 head 90-95 lb. 54.00-55.00; 70 head 100-125 lb. small frame 54.50-57.00.

SHEEP: Insufficient volume for a market test.

Vintage Cattle

Vintage Sales Stables
Friday, Nov. 27
Report supplied by auction

187 head.

Prime steers 1100-1385 lbs. 63.00-64.10; Choice 1050-1300 lbs. 62.00-63.50; Holsteins Choice 1350-1550 lbs. 55.25-58.25; Cows Commercial 1-3 37-41 cents; Canners & Cutters 32-37; Bulls 48.00-55.10

Lancaster Auction

Wednesday, December 2
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	382	86	1137	2
Last Wed.	208	36	465	3
Last Year	381	54	1023	17
Wednesday's Auction	202	87	1103	2
Last Wednesday's Auction	82	32	424	1

CATTLE: Compared to Monday small supply of all classes mostly steady. Supply included 36 per cent slaughter steers, 30 per cent cows, 20 per cent bulls, and 14 per cent slaughter heifers.

SLAUGHTER STEERS: Choice 2-4 1050-1410 lb. 62.25-64.00; high Good and low Choice 2-3 950-1225 lb. 61.00-62.25; few Good 2-3 59.00-61.00.

SLAUGHTER HEIFERS: Choice 2-3 900-1025 lb. 58.00-60.25; Good 2-3 850-950 lb. 53.10-57.50.

COWS: Utility and Commercial 1-3 39.75-41.00, couple 41.50-42.25; Commercial 3-4 37.25-40.50; Cutter 1-2 36 75-39.50; Canner and low Cutter 35.00-37.00.

BULLOCKS: Individual Choice 1140 lb. 63.75.

BULLS: Yield grade 1 1250-1750 lb. 50.50-54.75, individual 56.75; yield grade 2 1100-1300 lb. 47.50-49.75.

VEAL CALVES: Supply mainly 70-110 lb. vealers selling mostly steady; fair demand for Holstein bulls to return to farm.

VEALERS: Few high Good and low Choice 105-125 lb. 54.00-62 00, bulk 80-105 lb. 45.00-50.00, few 65-85 lb. 30.00-45.00.

RETURNED TO FARM: Bulk 85-115 lb. Hosltein bulls 60.00-80 00, few 80.00-85.00.

SHEEP: No market test.

New Holland Livestock

Thursday, Dec. 3
Report supplied by USDA

CATTLE. 1083. Compared to two weeks ago slaughter steers steady to 50 lower; slaughter heifers firm to 1.00 higher; cows 50-1.00 higher, instances 1.50 higher; bullocks firm to 1.00 higher; bulls 1.00-2.00 higher, instances 3.00 higher on yield grade 2. Supply included 47 per cent slaughter steers, 37 per cent cows, 6 per cent slaughter heifers, 6 per cent bulls with the balance feeders.

SLAUGHTER STEERS. Few head Prime 3-4 1250-1450 lbs. 62.00-63.00; Good and Choice 1-2 1100-1425 lbs. 63.75-64.50, couple 64.75-65.00, Choice 2-4 1050-1500 lbs. 61.50-63.00, few 63.00-63.50; high Good and low Choice 2-3 58.75-61.75; Good 2-3 56.50-60.00; Good and Choice Holsteins scarce few 54.75-58.25.

SLAUGHTER HEIFERS. Choice 2-3 875-1050 lbs. 58.25-60.00, couple yield grade 2 61.00-62.75; Good 2-3 800-1025 lbs. 52.75-57.50.

COWS. Utility and Commercial 1-3 39.50-42.25, few 42.25-43.75; Commercial 3-4 36.75-40.00; Cutter 1-2 37.25-40.00, few 40.25-43.00; Canner and low Cutter 35.00-37.50.

BULLOCKS. Choice 1025-1300 lbs. 60 00-63.75, couple 64.50-65.75, Good 1000-1275 lbs. 53.50-59.50.

BULLS. Yield grade 1 1300-1900 lbs 52 50-55.50, couple 56 00-57.00, yield grade 2 1000-1400 lbs. 50.00-53.50, couple 49.00-50.00.

VEAL CALVES: 708. Vealers uneven, few sales Choice and Prime steady to firm, high Good and low Choice weak to 50.00 lower. Demand no more than fair for calves to return to farm

VEALERS. Few head High Choice and Prime 270-330 lbs. 108.00-115 00, Choice 160-300 lbs. 90.00-100.00, few 100 00-108.00; high Good and low Choice 140-250 lbs. 65.00-85.00, 115-140 lbs 55.00-65.00, 80-115 lbs. 40 00-54 00, 60-80 lbs 35.00-42.00

RETURNED TO FARM. Bulk 80-115 lbs. Holstein bulls 50.00-75.00, few 75.00-85.00, Bulk 80-115 lbs. Holstein heifers 50.00-85.00, few 110-120 lbs. 102.00-129.00.

SHEEP. 6. No market test.

GOATS: 38. All goats sold by the head mainly 28.00-42.00, few 44.00-54.00.

Lancaster Weekly

Friday, Dec. 4
Report supplied by USDA

	Cattle	Calves
This Week	3300	1750
Last Week	1686	1081
Last Year	3736	1694

CATTLE: Slaughter steers closed the week .50-1.00 lower, extremes 2.00 lower; slaughter heifers fully steady; cows 1.00-1.50 higher; bullocks fully steady; bulls 2.00-3.00 higher. Supply included 40 per cent slaughter steers, 26 per cent cows, 6 per cent bulls, 5 per cent heifers with the balance feeder steers many held for Friday's auction.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1425 lbs. mainly early part of week 63.50-66.00; Good and Choice 1-2 1050-1350 lbs. 63.75-66.50, few head 66.50-69.35; Choice 2-4 1025-1450 lbs. 61.50-63.50 few early part of the week 63.50-65.50; high Good and low Choice 2-3 100-1350 lbs. 58.75-62.50, Good 2-3 56.50-61.00, Good and Choice holsteins scarce few 54.75-58.25.

SLAUGHTER HEIFERS: Choice 2-3 875-1050 lbs. 58.00-61.00, couple Yield Grade 2 61.00-62.75; Good 2-3 890-1025 lbs. 52.75-57.50.

COWS: Utility and Commercial 1-3 38.50-42.25, few 42.25-44.25, Commercial 3-4 36.25-40.00, Cutter 1-2 37.00-40.50, few 40.50-43.00, Canner and low Cutter 34.00-37.50.

BULLOCKS: Choice 1000-1350 lbs. 59.00-62.50, few head 63.75-65.75; Good 1000-1250 lbs. 52.00-58.50.

BULLS: Yield Grade 1 1300-1900 lbs. 50.50-55.50, few 55.50-57.00; Yield Grade 2 1000-1400 lbs. 48.00-52.50, few head early 850-1000 lbs. 45.50-48.50.

VEAL CALVES: Vealers uneven, few sales Choice and Prime steady to firm; high Good and low Choice steady to weak. Demand no more than fair for calves returned to farm

VEALERS: Prime special fed 270-330 lbs. 108.00-115 00, few 115.00-121.00, Choice 140-300 lbs. 89.00-100.00, few 100.00-108.00; high Good and low Choice 140-250 lbs. 65.00-85.00, 115-140 lbs. 55.00-65.00, 80-115 lbs. 40.00-55.00, few 55.00-60.00, 60-80 lbs. 30.00-42.00

RETURNED TO FARM: Bulk 100-125 lbs. holstein bulls 70.00-85.00; bulk 85-100 lbs. 50.00-75.00; bulk 80-115 lbs. holstein heifers 60.00-90.00, around 225 head 95-120 lbs. 116.00-152 00.

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Get calves in early. We start to grade and weigh at 2:30.
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8 00 A M Fat Hogs
10 00 A M Horse Sale
11 00 A M Hay Straw & Ear Corn
1 30 P M Fat Steers Bulls Cows & Veal
WEDNESDAY'S AUCTION
12 00 Noon Dairy Sale
1 30 P M Feeder Pig Sale
THURSDAY'S AUCTION
11 00 A M - Beef Sale
Order of Sale Bulls Fat Steers Cows Veal
3 30 P M Calf Sale

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SALES STABLES INC.
New Holland PA
Abram W Diffenbach, Manager
Phone 717-354 4341

Hog Markets

Lancaster Feeder Pigs

Tuesday, December 1
Report supplied by USDA

Today	1037
Last Tuesday	913
Last Year	1454

TREND: Compared to last Tuesday feeder pigs 5.00-10.00 lower, instances 20.00 lower on US 1-2 40-50 lbs. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 26 head 24-30 lbs. 88.00-95.00; 318 head 40-49 lbs. 76.00-86.50; 78 head 50-53 lbs. 81.00-85.00; 76 head 50-59 lbs. 64.00-78.00; 85 head 60-65 lbs. 63.00-68.50.

US 2: 41 head 28-35 lbs. 72.00-80.00; 54 head 40-47 lbs. 60.00-65.00; 49 head 50-59 lbs. 56.00-61.00; 10 head 67 lbs. 53.00.

US 2-3: 54 head 30-39 lbs. 62.00-79.00; 75 head 40-49 lbs. 54.00-60.00; 58 head 50-58 lbs. 47.00-57.00.

Peoria Hogs

Thursday, Dec. 3
Report supplied by USDA

HOGS: 4500. Barrows & gilts moderate, 1.00 lower. US 1-2 200-240 lbs. 41.50-42.25; US 1-3 200-240 lbs. 41.00-41.50.

SOWS: 50-2.00 lower. (18%). US 1-3 350-500 lbs. 34.00, few 34.50; 500-700 lbs. 34.50-35.50.

BOARS: Over 350 lbs. 34.00; under 350 lbs. 32.00-36.00.

Vintage Hogs

Saturday, November 28

1 & 2's 210-235 lbs. 45.40-47.50; 2 & 3's 200-245 lbs. 44.00-45.50; Sows 300-500 lbs. 39.00-42.00; Boars 300-500 lbs. 37.00-40.00.

Wednesday, December 2

1 & 2's 210-235 lbs. 44.50-45.75; 2 & 3's 200-245 lbs. 43.00-44.50; Sows 300-500 lbs. 40.00-41.50; Boars 300-500 lbs. 37.00-40.75.

New Holland Feeder Pigs

Wednesday, Dec. 2
Report supplied by USDA
Feeder Pigs

Today	784
Last Wednesday	963
Last Year	1113

TREND: Compared to last Wednesday feeder pigs mostly steady. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 58 head 27-39 lbs. 75.00-86.00; 190 head 40-49 lbs. 70.00-80.00; 112 head 50-59 lbs. 72.00-74.00; 48 head 65-70 lbs. 59.00-67.00; 18 head 85-97 lbs. 49.00-55.00.

US 2-3: 13 head 22 lbs. 90.00; 48 head 30-39 lbs. 74.00-79.00; 99 head 40-49 lbs. 59.00-71.00; 42 head 40-41 lbs. 78.00-80.00; 49 head 57-75 lbs. 61.00-62.00.

Lancaster Hogs

Lancaster Stockyards
Saturday, Nov. 28
Report supplied by auction

950 head.

U.S. 1 210-235 lbs. 46.50-48.50; U.S. 1 & 2 200-245 lbs. 45.50-46.00; U.S. 2 & 3 200-255 lbs. 44.75-45.00; Sows 350 lbs. and up 39.00-42.75; Boars 200 lbs. and up 36.50-39.00.

Lancaster Hogs

Lancaster Stockyards
Report supplied by USDA
Monday, Nov. 30

HOGS: Barrows and gilts 50-75 higher.

BARROWS AND GILTS: US 1-2 200-245 lbs. 45.25-45.75, few 45.85-46.00; US 1 205-255 lbs. 46.50-47.00, few 47.50-48.25; US 1-3 210-260 lbs. 44.50-45.25, Couple lots 260-270 lbs. 43.75-44.25.

SOWS: US 1-3 300-400 lbs. 39.00-40.50; 400-600 lbs. 40.75-41.50; Few 450-500 lbs. 42.75-43.00.

Tuesday, Dec. 1
Report supplied by USDA

Today	341
Last Tuesday	161

HOGS: Compared to Monday barrows and gilts steady, instances 25 higher.

BARROWS AND GILTS: US 1-2 200-255 lbs. 45.50-46.00, Few 46.25-46.50; US 1 205-245 lbs. 47.00-48.25. US 1-3 210-260 lbs. 45.00-45.50.

Wednesday, Dec. 2

HOGS: Barrows and gilts 50-1.00 lower, instances 1.50 lower.

BARROWS AND GILTS: US 1-2 200-245 lbs. 44.25-44.85, few 45.00-45.25; US 1 205-245 lbs. 46.00-47.00, few 47.00-47.50; US 1-3 210-260 lbs. 43.50-44.25.

SOWS: US 1-3 350-650 lbs. 39.00-40.00, few 450-550 lbs. 40.00-40.50.

New Holland Hogs

Monday, Nov. 30
Report supplied by USDA

Today	1095
Last Monday	1342
Last Year	1226

TREND: Compared to last Monday barrows and gilts steady to 25 higher, although small supply US 1 1.00-2.00 lower.

BARROWS AND GILTS: US 1-2 200-245 lbs. 45.00-45.50; US 1 205-240 lbs. 46.00-46.25; US 1-3 210-260 lbs. 44.50-45.00.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Wednesday, Dec. 3
Report supplied by USDA **Estimated Daily Livestock Slaughter**
Under Federal Inspection

CATTLE	CALVES	HOGS	SHEEP
This Week			
500,000	42,000	1,433,000	99,000
Last Week			
390,000	33,000	1,083,000	72,000
Last Year			
494,000	41,000	1,503,000	85,000

Market courtesy of USDA.

Chicago Grain Futures

(Closing Bids as of Thursday Dec. 3)

	Corn	Wheat	Soybeans	Soybean Meal
Dec.	2.64½	4.19		193.40
Jan.	—	—	6.56¼	194.70
Mar.	2.83¾	4.40¾	6.72¼	197.40
May	2.94¼	4.47½	6.88	

Trend - Corn is higher, Wheat is higher, Soybeans are higher, Soybean Meal is higher.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Indianapolis Hogs

Thursday, Dec. 3

HOGS: 1400 (Currently 500 under). Barrows & gilts active, 75-100 lower. US 1-2 220-255 lbs. 42.50-43.00.

SOWS: Moderately active, weak to 1.00 lower. (14%). US 1-2 350-400 lbs. 33.50-35.00; US 1-3 400-500 lbs. 35.00-38.00; 500-580 lbs. 37.00-38.00.

BOARS: Few 250-350 lbs. 33.00-33.50; over 400 lbs. 34.00.

St. Louis Hogs

Thursday, Dec. 3
Report supplied by USDA

HOGS: 6000. Barrows & gilts moderate, 1.00 lower. US 1-2 200-240 lbs. 41.75-42.25; US 1-3 200-260 lbs. 41.00-41.75; US 2-3 250-270 lbs. 40.00-41.00.

SOWS: 1.50-3.50 lower, most decline on wts. over 450 lbs. (About 12%). US 1-3 300-650 lbs. 34.00-35.00.

BOARS: Over 250 lbs. 33.50; 200-250 lbs. 36.00-36.50.

Westminster Feeder Pigs

Friday, Nov. 27
Report supplied by auction

943 Pigs: Compared to the October sale prices were fully $10-15.00 per hundred higher. Light pigs as much as $20.00 higher. 95% of the sale graded #1 and #2. All pigs weighed on arrival and sold by the pound.

#1 & 2: 162 head 32-37 lbs. $88.00-106.00; 179 head 40-47 lbs. 87.00-95.00; 255 head 51-58 lbs. 78.00-89.00; 129 head 63-65 lbs. 77.00-84.00; 59 head 70-78 lbs. 66.00-81.00; 34 head 81-85 lbs. 60.00-66.00; 14 head 117 lbs. 52.00.

#2: 42 head 32-38 lbs. 64.00-83.00; 21 head 57-60 lbs. 69.00-72.00.

#2 & 3: 7 head 31 lbs. 61.00; 34 head 41-48 lbs. 61.00-85.00.

Futures Trading

(Closing Bids as of Thursday, Dec. 3)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Dec.	62.02	42.45	
Feb.	61.62	44.30	
Apr.	61.45	42.87	8.63

Trend - Cattle are lower, Hogs are lower. Potatoes are higher.

Market Provided
by Commodity Department
Dean Witter Reynolds, Inc.

Carlisle Auction

Carlisle, Pa.
Wednesday, December 2
Report supplied by auction

CATTLE: STEERS: Good 58.00-62.50; Standard 49.50-52.00; Utility 45.50-49.00. HEIFERS: Standard 44.50-47.75. COWS: Utility & Commercial 37.25-41.00; Cutter 35.60-40.00; Canner & Low Cutter 34.50-36.25; SHELLS down to 29.00.

BULLOCKS: Good 44.25-46.00.

FEEDER STEERS: 46.00-63.00.

CATTLE HEIFERS: 42.00-46.00.

BULLS: 45.00-52.00.

CALVES: VEALERS: Choice 80.00-105.00; Good 70.00-90.00; Standard & Good 60.00-75.00.

FARM CALVES: Hol. Bulls 90.00-97.00; Hol. Heifers 101.00-105.00.

HOGS: Barrows & Gilts US No. 1-2 43.75-46.10; US No. 1-3 40.00-43.00. SOWS: US No. 1-3 40.00-42.00; No. 2-3 35.00-40.00; Boars 33.00-34.00.

FEEDER PIGS: US No. 1-3 17.00-24.00; No. 1-3 25.00-33.00.

SHEEP: LAMBS: Good 40.00-46.50.

New Holland Horse

Monday, Nov. 30
New Holland Sales Stables
Report supplied by auction

Reported receipts of 143 head of horses, mules, and ponies. Market: stronger.

Better horses 550.00-990.00; few Registered horses 850.00-1400.00; Driving horses 350.00-850.00; Riding horses 350.00-500.00; Lightweight killers 350.00-425.00; Heavyweight killers 450.00-545.00; Mares ponies 15.00-100.00; Colts 15.00-25.00; Geldings 15.00-100.00; Larger ponies 125.00-230.00.

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Poultry Markets

Weekly New York Egg Market

From Friday, Nov. 27 to Dec. 4

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	83	83	81	80	80
Ex Large	81	81	79	78	78
Large	80	80	78	77	77
Mediums	78	78	76	74	73
Pullets	62	62	62	61	61
BROWN					
Jumbo	99	99	99	98	98
Ex Large	94	94	93	92	92
Large	92	91	91	90	90
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Large	72	72	70	69	69
Checks	42	42	42	41	41

Tone: Buying interest improved. Supplies ample. Market steadier.
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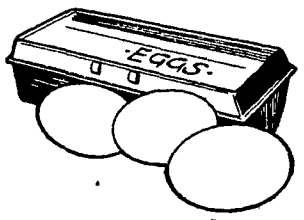
N. E. Weekly Shell Egg Report

Tuesday, Dec. 1
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	94-103	92-102	88-97	62-70
Mostly	97-101	95-100	91-95	65-68
N. HAMP.	89-95	87-93	83-89	57-63
Mostly	91-94	89-92	85-88	59-62
R.I.	99-100	97-98	94-95	66-67
VERMONT	96-105	94-102	89-97	–
Mostly	97-98	95-96	90-91	–
MAINE	94-99	92-98	88-92	62-65

X Includes Central and Western Sections only.



Eastern Pa. & N.J. Poultry

Wednesday, Dec. 2
Report supplied by USDA

Prices Paid at Farm:

Light Type Hens: 10-11, mostly 10-10½.

F.O.B. Plant: 12-13, mostly 12-12½.

Heavy Type Hens: Too Few To Report.

Chambersburg Auction

Chambersburg, PA
Thursday, Dec. 3
Report supplied by PDA

CATTLE: 413. Sl. steers: few Choice No. 2-4, 940-1080 lbs. 60.75-63.35; Good 56.00-60.00, couple to 61.75; Standard 51.50-55.00, couple to 57.00. Sl. heifers: few Choice 57.00-62.25; few Good 51.50-55.50. Sl. cows: Utility & Commercial 36.50-41.75, few 43.25; Cutters 35.50-38.25; Canner & L. Cutter 32.00-35.75; Shells down to 30.00. Sl. bullocks: one Choice at 60.60. Sl. bulls: few Yield Grade No. 1, 1330-2050 lbs. 49.00-58.25.

FEEDER CATTLE: Steers, few Large Frame No. 1, 400-850 lbs. 46.50-55.00. Heifers, few Large Frame No. 1, 350-550 lbs. 46.00-53.00.

CALVES 996. Few Prime 105.00-110.00; Choice 84.00-100.00; Good 72.00-86.00; Standard & Good 100-110 lbs. 60.00-68.00; 70-95 lbs. 52.00-57.50. Utility 60-90 lbs. 35.00-52.00.

FARM CALVES: Hol. Bulls 85-130 lbs. 60.00-106.00, mostly 85.00-100.00; Hol. Heifers 85-150 lbs. 70.00-127.50.

HOGS: 99. US No. 1-3 205-240 lbs. 42.00-42.85; few lots No. 2-3 280-290 lbs. 36.25-37.85; US No. 1-3 300-680 lbs. 37.75-41.75; Few Boars 28.50-32.25.

FEEDER PIGS: 69. US No. 1-3 20-40 lbs. 12.00-27.00 per head.

SHEEP: 13. Few Good 70-95 lbs. 40.50-49.50.

GOATS: 12. Few 13.00-33.00 per head.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Dec. 1 Tuesday	Dec. 3 Thursday
Class 1 - Large	48 lbs.	62	58
Class 2 - Large	45 lbs.	60	57
Class 3 - Medium	42 lbs.	50.5	52
Class 4 - Small	39 lbs.	48.5	48
Breaking Stock	48 lbs.	50	49
Checks	48 lbs.	45	44

Delmarva Poultry

Wednesday, Dec. 2
Report supplied by USDA

R.T.C. movement light to fair. Slaughter schedules fairly heavy at most plants. Today's L.T.L. asking prices steady at 44-47 cents on U.S. Grade A. Advance interest developing in some order at steady prices. Undertone about steady.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/3 1812; Actual 11/26 (none, holiday); Actual 12/1 1759; Average Weights 12/1 4.31; 11/24 4.28.

Philadelphia Eggs

Thursday, Dec. 3
Report supplied by USDA

Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 77-78; A Large 76-83; A Medium 72-80.

Baltimore Eggs

Thursday, Dec. 3
Report supplied by USDA

Cartoned Eggs: Prices to retailers, state graded (min one case sale) white.

Grade A Large	77-83
Grade A Medium	74-80

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 2
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .74-1.00 per lb.

MUSCOVY DUCKS, HENS: range .54-.76 per lb.

PEKING DUCKS: range .48-.56 per lb.

RED FOWL: 4-5 lbs. range .24-.32 per lb.

RED FOWL: 5-6 lbs. range .30-.38 per lb.

CROSSBRED FOWL: 6-9 lbs. range .28-.38 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .50-.76 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .20-.52 per lb.

GUINEA FOWL: range 1.35-1.70 per lb.

BANTY ROOSTERS: range 2.00-3.85 ea.

BANTY HENS: range .25-.85 ea.

PIGEONS: range .1.00-1.25 ea.

WHITE PIGEONS: range 1.50-2.00 ea.

RABBITS: 4-6 lbs. range .50-.88 per lb.

RABBITS: 7-10 lbs. range .40-.68 per lb.

GUINEA PIGS: range .25-1.00 ea.

GOATS: range 15.00-50.00 ea.

TOTAL AMOUNT COUPS: 395.

Lancaster Farming

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Office: 22 E. Main St., Lititz, PA 17543
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or Lititz 717-626-1164

Robert G. Campbell, Publisher
Sheila M. Miller, Editor
Dick Anglestein, Staff Writer
Debra L. Koontz, Home Editor
Donna M. Tommelleo, Staff Writer

CORRESPONDENTS
M H Gitt, Adams County
Biglerville, 717-677-9440

Patty Gross, Bedford, Blair, Huntingdon counties
Roaring Spring 814-224-4694

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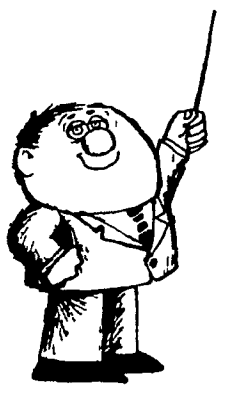

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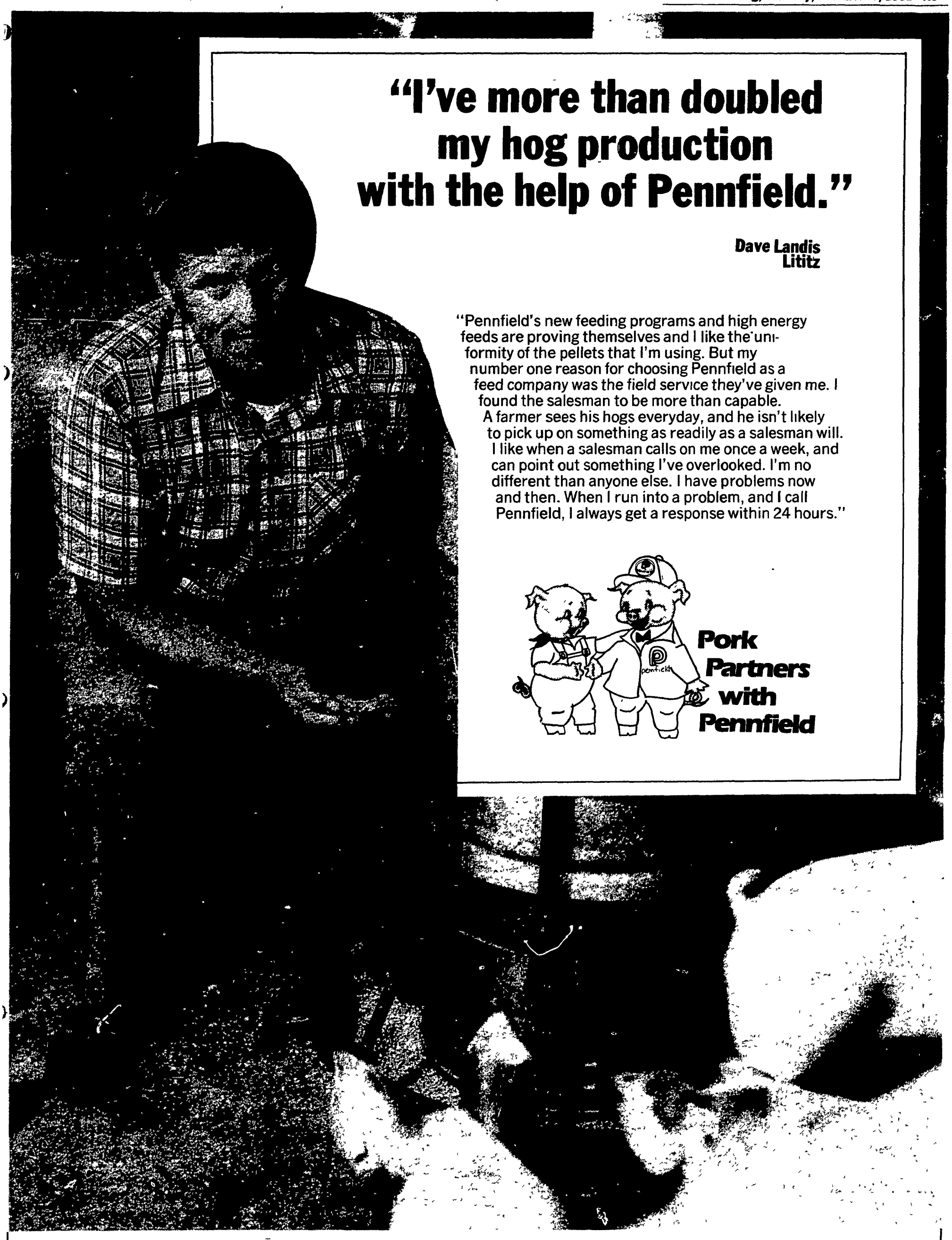

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Livestock market and auction news

Hay Markets

Vintage Hay
Friday, Nov. 27
Report supplied by auction
Mixed 95.00-117.00; Fodder 55.00.

New Holland Hay
New Holland Sales Stables
Monday, Nov. 30
Report supplied by auction
99 loads.
Alfalfa 82.00-167.00; Timothy 85.00-123.00; Mixed 41.00-135.00; Straw 49.00-124.00; Corn 72.00-102.00.

Good's Hay
Leola, Pa.
Wednesday, Dec. 2
Report supplied by auction
51 loads.
Mixed 84.00-139.00, one at 144.00; Timothy 99.00-135.00; Alfalfa 107.00-135.00, one at 160.00; two Corn 76.00 & 77.00; Straw 62.00-75.00; Fodder 30.00-55.00.

Frederick Co. Hay
Buckeystown, Md.
Thursday, Dec. 3
Report supplied by auction
16 loads of hay and straw.
Eight straw 40.00-60.00; one Mixed 83.00; two Alfalfa 142.00 & 150.00; three Timothy 86.00-101.00; one Orchardgrass 96.00; one Fodder 40.00; three Firewood 72.00-75.0 cord.

Regional Hay
Friday, Nov. 20
Report supplied by PDA
(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)
Hay and Straw steady.
Alfalfa 90.00-110, few 80.00; Mixed hay 75.00-85, few 65.00; Timothy hay 60.00-80.00; Straw 40.00-50.00; Mulch 30.00-45.00.

Green Dragon Hay
Ephrata, Pa.
Friday, Nov. 27
Report supplied by PDA
69 Loads Hay and 20 Loads Straw.
Alfalfa 90.00-136, mostly 101-130.00; Mixed hay 74.00-156, mostly 90-122.00; Timothy hay 89.00-125.00; Straw 56.00-67.00; Ear Corn, 11 loads 71.00-77.00; Corn Fodder, individual 40.00; Oats, individual 2.20 per bu.

Pa. Grain
Monday, Nov. 30
Report supplied by PDA
Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn unevely steady. Wheat & Barley steady. Oats steady to strong, instances 20 cents higher. New Ear Corn steady to strong.
Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

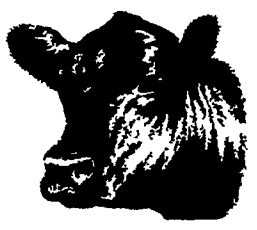
Southeastern Pa.
Corn No. 2-y range 2.45-2.70, average 2.57; Wheat No. 2 range 3.20-3.70, average 3.49; Barley No. 3 range 2.10-2.30, average 2.20; Oats No. 2 range 1.90-2.08, few reported 2.20, average 2.01; Soybeans No. 1 range 5.65-5.85, average 5.74; Grain Sorghum No. 2 range 2.10, average 2.10; Buckwheat range 9.80, average 9.80; Old Ear Corn range 76.00-82.00, average 79.33; New Ear Corn range 60.00-68.00, average 62.33.

Central Pa.
Corn No. 2-y range 2.40-2.65, few reported 2.30, average 2.50; Wheat No. 2 range 3.00-3.50, few reported 3.90, average 3.42; Barley No. 3 range 2.00-2.25, average 2.10; Oats No. 2 range 1.60-1.85, average 1.72; Soybeans No. 1 range few reported 5.50-5.60, average 5.55; Grain Sorghum No. 2 range 2.20-2.25, average 2.23; Buckwheat range 9.00-10.00, average 9.50; Old Ear Corn range 72.00-80.00, average 76.67; New Ear Corn range 50.00-55.00, average 52.37.

South Central Pa.
Corn No. 2-y range 2.40-2.60, average 2.52; Wheat No. 2 range 2.85-3.60, mostly 3.00-3.25, average 3.16; Barley No. 3 range 2.00-2.20, average 2.13; Oats No. 2 range 1.80-2.10, average 1.98; New Ear Corn range 35.00-63.00, few reported 70.00, average 61.00.

Western Pa.
Corn No. 2-y range 2.50-2.70, few reported 2.35, average 2.56; Wheat No. 2 range 3.00-3.05, average 3.02; Barley No. 3 range 2.20, average 2.20; Oats No. 2 range 1.75-2.00, average 1.87; Buckwheat range 8.00, average 8.00; Old Ear Corn range 70.00-72.00, average 71.00.

Southeastern, Central & South Central Summary
Corn No. 2-y range 2.40-2.70, average 2.54; Wheat No. 2 range 3.00-3.60, average 3.39; Barley No. 3 range 2.00-2.25, average 2.15; Oats No. 2 range 1.60-2.00, average 1.90; New Ear Corn range 53.00-68.00, average 58.64.



St. Louis Cattle
Thursday, Dec. 3
Report supplied by USDA
Receipts this week: 6,000;
Week Ago: 2,900;
Year Ago: 6,400;
Compared with the previous weeks close, slaughter steers firm to .50, instances 1.00 higher. Slaughter heifers generally steady. Cows steady. Bulls firm to 1.00 higher. Slaughter supply mainly Choice and Choice and Prime 1050-1200 lbs. steers, around 35% heifers and 15% cows.
SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1250 lbs. 59.50-60.50 through mid-week, not tested late. Choice 2-4 920-1250 lbs. 58.00-60.75, few closing sales 59.00-60.75. Mixed Good and Choice 2-4 900-1225 lbs. 57.00-59.00. Good 2-3 900-1150 lbs. 55.00-57.00. Few lots mostly Good 2-3 1100-1275 lbs. holsteins 54.00-55.00.
SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1075 lbs. 56.50-58.00, closing 57.00-58.00; part load 3-4 1125 lbs. 55.00. Choice 2-4 800-1050 lbs. 55.50-57.00, closing 56.00-57.00. Mixed Good and Choice 2-3 750-1000 lbs. 54.00-56.00. Good 2-3 700-975 lbs. 52.00-54.50.
COWS: Closing week sales: Utility and Commercial 2-4 36.00-38.00. Boning Utility 1-2 38.00-40.00. Cutter 1-2 34.00-37.00. Canner and Low Cutter 1-2 31.00-34.00.
BULLS: Yield Grade 1-2 1050-2000 lbs. 43.00-48.00. Yield Grade 1 1220-1450 lbs. 48.00-49.00.
FEEDERS: (Including around 2,400 at the regular Thursday auction.) Feeder steers steady to 1.00 lower. Feeder heifers uneven, weights under 500# weak to 2.00 lower, mostly 1.00-2.00 lower; over 500# firm to 1.00 higher. Supply mainly Medium Frame 1-2 300-800# steers and 300-700# heifers.
FEEDER STEERS: Medium Frame 1. Couple lots 255-580# 65.50-65.75; 300-500# 60.50-64.75; 500-600# 60.00-64.50, 600-700# 60.75-62.75; 700-800# 61.00-62.00; few lots 825-925# 59.50-60.75 Medium Frame 1-2 and some Small Frame 1: 350-700# 58.00-60.25. Large Frame 2 Holsteins. lot 700# 49.00.
FEEDER HEIFERS: Medium Frame 1-2: 300-500# 50.00-53.50; 500-600# 51.50-56.75, 600-700# 51.50-55.50. Medium Frame 1-2 and some Small Frame 1 300-600# 47.25-50.25.
BRED COWS. Couple lots Medium Frame 1-2: Middle-aged 880-915# in second and third stages of pregnancy 40.50-41.00.

Omaha Cattle
Thursday, December 3
Report supplied by USDA
CATTLE: Through midweek, slaughter steers and heifers 75 cents to 1.25 higher, instances 1.50 higher but late downturn in dressed beef trade placed pressure on live market. Cows closed 1.00 to 2.00 higher. Bulls steady.
Steer, heifer and cow prices moved upward Tuesday, influenced by snowstorm in trade area. Much of the advance held together Wednesday on local receipts of 3700 head but dressed trade moved lower late. Cow beef worked lower during week. Steers 46 pct of estimated five day total, heifers 27 pct. choice cattle in liberal volume and yield grade continues a major price factor. Some cattle carried small to moderate amounts of mud. Cows 5 pct; feeders 21 pct.
STEERS: At midweek, one load Choice 3 1200 lbs. 62.50. Seven loads mostly Choice 2-3 and Choice and Prime 3, few 4 1175-1300 lbs. 62.00 Choice 2-4 1050-1300 lbs. 60.50-61.75, mostly 61.00-61.75, mostly 61.00-61.75. Choice and Prime 3-4 1150-1350 lbs. 60.00-61.50, some with large percentage 4 59.50-60.00. Mixed Good and Choice 2-3 1050-1250 lbs. 60.00-61.50. Few Good 58.00-60.50. Few lots Good and Choice 2-3 Holsteins 1300-1400 lbs. 56.50-58.00, Standard and mostly Good 1150-1250 lbs. 54.00-55.00.
HEIFERS: Load Choice 3 990 lbs. 60.75. Few loads Choice 3 1000-1100 lbs. 60.25-60.50. Choice including Prime 2-4 925-1100 lbs. 59.00-60.00, 3-4 1000-1150 lbs. 58.00-59.00. Mixed Good and Choice 2-3 56.50-58.50. Good 55.00-57.00.
Average of detailed quotations for Choice 900-1100 lbs. steers 61.30; 1100-1300 lbs. 61.30. Average cost steers 60.64, average weight 1189 lbs. Compared 60.30 and 1170 lbs. a week ago. Average cost heifers 58.47, average weight 1049 lbs. Compared 58.03 and 1031 lbs. a week ago.
COWS: High Cutter, Utility and Commercial 1-3 37.50-40.00, load and few lots high dressing 40.50-41.50. Canner and Cutter 31.00-37.50.
BULLS: 1-2 1100-1800 lbs. 45.00-48.00, few 1 49.00-50.00.

Keisters Middleburg Auction
Middleburg, Pa.
Tuesday, December 1
Report supplied by Auction
CATTLE 200: Choice slaughter steers 61.00-63.25, Good 56.00-61.00, Standard 52.00-56.00, Utility 46.00-52.00. Choice slaughter heifers 58.00-60.75, Good 55.00-58.00, Standard 52.00-55.00, Utility 48.00-52.00. Utility & Commercial slaughter cows 38.00-43.25, one at 45.75, Cutters 36.00-39.75, Canner & Low Cutter 32.00-36.00, Shells down to 20.00. Good slaughter bullocks 52.75-58.85. Yield Grade #1 1200-1785 lbs. slaughter bulls 50.75-57.75; yield grade #2 800-1200 lbs. 45.00-50.75. Good 350-775 lbs. feeder steers 48.00-62.00.
CALVES 134: Choice vealers 85.00-101.00, Good 75.00-85.00, Standard & Good 90-110 lbs. 50.00-62.00, Utility 70-90 lbs. 40.00-50.00. Farm calves, holstein bulls 95-120 lbs. 70.00-106.00; holstein heifers 80-150 lbs. 70.00-110.00.
HOGS 172: (Monday, November 30, 1981). US No. 1-2 210-230 lbs. barrows & gilts 45.00-47.10, No. 1-3 190-250 lbs. 42.00-45.00, No. 2-3 190-300 lbs 39.00-42.00. US No. 1-3 300-575 lbs. sows 40.00-42.00, No. 2-3 300-550 lbs. 32.00-40.00. Boars 200-635 lbs. 35.00-37 50.
FEEDER PIGS 48: US No. 1-3 10-20 lbs feeder pigs 12.00-20.00 per head, No. 1-3 20-40 lbs 20.00-38.00 per head.
SHEEP 6: Few Choice 90 lbs. wooled slaughter lambs at 47.00, few Good 60-85 lbs. 38.00-42 00

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WALTER H. RISSER, Proprietor

Livestock market and auction news

Central U.S. Carlot

Wednesday, Dec. 2
Report supplied by USDA

Compared to Tuesday's 4:00 report: Choice 3 steer beef 2.00-3.00 lower late, yield grade 4 mostly steady to 1.00 lower. Choice 3 heifer beef not established late, few early sales 1.00 lower. Yield Grade 4 heifer beef steady to 1.00 lower, Good 3.00-4.00 lower. Demand light, trading slow to moderate. Supplies moderate. The boxed beef carcass cutout value declined $.71 to an estimated $99.82 per cwt. Sales reported on 130 loads of steer and heifer beef.

STEER BEEF
89½ Loads
FOB Omaha Basis

Choice 3: 600-800 lbs. 94.00-97.00, late 94-95.00, 2.00-3.00 lwr.

Choice 4: 600-900 lbs. 82.00-83.00, late 83.00, stdy-1.00 lwr.

Good 2-3: 600-700 lbs. 95.50-99.00.

FOB Amarillo Basis

Choice 3: 600-700 lbs. 95.50-98.50.

Choice 2: 600-700 lbs. 96.50-100.50.

Choice 4: 600-900 lbs. 83.50-84.50 (West).

HEIFER BEEF
40½ Loads
FOB Omaha Basis

Choice 3: 550-700 lbs. 93.00 early, 1.00 lower.

Choice 4: 500-700 lbs. 82.00-83.00, bulk 82.00, stdy-1.00 lwr.

Good 2-3: 550-700 lbs. 89.00-91.00, 3.00-4.00 lwr.

Good 2-3: 600-700 lbs. 95.50-97.00.

FOB Amarillo Basis

Choice 4: 500-700 lbs. 83.50 (West).

Cow beef not established.

COW BEEF
1 Load
FOB Amarillo Basis

Brkg Utlty 3-4: 450/up lbs. 70.50.

PRIMAL BEEF CUTS
11 Loads
FOB Omaha Basis

HINDS (H): 120-170 lbs. 104.00.

FORES: 130-210 lbs. 84.00-85.00.

SHORT PLATES: 54.00.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS
FOB Omaha Basis

85% chem lean fresh 101.50.

50% chem lean fresh 49.00-51.50.

92% chem lean fresh 117.00 bull.

Compared to Tuesday's 4:00 report: Fresh pork loins mostly steady. Skinned hams 1.00-3.00 higher. Sdls bellies .50-1.50 higher. Not enough recent sales on other cuts for price comparison. Pork trimmings steady to 1.00 lower. Demand good, trading fairly active. Sales reported on 95 loads plus 9 loads trimmings.

FRESH PORK CUTS

LOINS: 14-17 lbs. 86.00, mostly steady; 17-20 lbs. 82.50 clear channel; 17-22 lbs. 80.50 immediate shipment; 17-22 lbs. 78.75-79.75, mstly steady; 18-22 lbs. 80.75, late next week del.; 22/up lbs. 80.00.

PICNICS: 4-8 lbs. 46.00, no comparison; 8/up lbs. 43.00, no comparison.

BOSTON BUTTS: 4-8 lbs. 67.75-70.00, mstly 69.50-70, no comparison.

SKINNED HAMS: 14/dn lbs. 99.00 frozen; 17-20 lbs. 92.00-93.00, 3.00 higher; 20-26 lbs. 85.00-85.50, 1.00-1.50 higher; 26/up lbs. 74.50.

BELLIES, SDLS: 10-12 lbs. 45.00; 12-14 lbs. 50.00-52.00, late 51-52.00, .50-1.00 hghr late; 14-16 lbs. 50.00-52.00, late 51-52.00, .50-1.50 hghr late; 16-18 lbs. 47.50-48.50; 18-20 lbs. 44.00.

BNLS CUT BUTT: 1.5-3 lbs. 119.00 frozen; 3-4.5 lbs. 122.00 frozen.

PORK TRIMMINGS
BONELESS PROCESSING PORK (Chemical Lean)

42% lean trimmings fresh 39.00-40.00, mostly 1.00 lower.

42% lean trimmings frozen 41.00, steady.

72% lean trimmings frozen 69.50, mostly .50 lower.

72% bnls picnics fresh 71.00, no comparison.

Skinned Jowls frozen 36.00-36.50, mostly steady.

Eighty-four Auction

Monday, November 30
Report supplied by PDA

CATTLE 296. Compared with last Monday's market, slaughter steers 50 cents to $1 higher. Slaughter cows $1 to mostly $2 lower. Couple Good slaughter steers 55.00 and 55.75, Standard 51.50-55.00, Utility 45.00-50.00. Few Standard & Good slaughter heifers 47.00-57.00. Utility & Commercial slaughter cows 37.50-39.50, Commercial No. 4-5 35.00-37.50, Cutters 35.00-37.75, Canner & Low Cutter 28.00-33.50, Shells down to 19.00. Standard slaughter bullocks 40.00-45.50. Yield Grade 31 1300-1800 lbs. slaughter bulls 43.00-50.00. Medium Frame #1 320-550 lbs. feeder steers 53.00-58.00, few Medium Frame #1 700-900 lbs. 52.00-54.50, few Large Frame #2 550-770 lbs. 35.00-40.00; Medium Frame #1 300-500 lbs. feeder heifers 44.50-47.50, few 700-800 lbs. 42.00-45.00.

CALVES 328. Vealers grading Good & Choice $1 to $2 higher, Standard & Good steady. Few Choice vealers 88.00-99.00, Good 70.00-88.00, Standard & Good 110-130 lbs. 55.00-68.00, 90-110 lbs. 47.00-55.00, 60-85 lbs. 40.00-48.00, Utility 32.00-39.00. Farm calves, holstein bulls 90-125 lbs. 70.00-90.00; slaughter calves, grading Good & Choice 250-380 lbs. 50.00-64.00.

HOGS 73. Barrows & gilts 75 cents to $1 higher. US No. 1-3 200-260 lbs. barrows & gilts 44.00-45.50, few No. 2-3 230-240 lbs. 41.50-42.75, one lot No. 2-3 325 lbs. at 38.85, few No. 1-3 180-190 lbs. 41.00-41.75. Few US No. 1-3 400-500 lbs. sows 39.50-42.00. Few Boars 30.00-35.00.

FEEDER PIGS 6. One lot US No. 1-3 35 lbs. feeder pigs 17.50 per head.

SHEEP 175. Wooled slaughter lambs steady. Choice 80-100 lbs. wooled slaughter lambs 50.50-53.25, Good 80-105 lbs. 45.00-49.50, few Utility 100-117 lbs. 39.25-42.25, Utility 55-75 lbs. feeders 38.50-44.50. Slaughter ewes 16.50-23.50.

GOATS 6. 15.00-26.00 per head.

East Coast Carlot

Wednesday, Dec. 2
Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal lightly tested, generally steady undertone indicated. Good and Choice boning veal generally steady.

VEAL CARCASS
Prime (Special Fed)
HIDE-ON
50 Head

180-240 lbs. few 180.00.

BONING TYPE
HIDE-ON
Good & Choice

Northeastern Suppliers: 65-75 lbs. 80.00-82.00, all generally steady; 55-64 lbs. 78.00-80.00; 45-54 lbs. 76.00-78.00; 35-44 lbs. 74.00-76.00; 34 lbs. down 72.00-74.00.

LAMB CARCASS
Choice & Prime 3-4
2 Loads

55 lbs. down 117.00.

BONELESS BEEF
1 Load

85% chemical lean fresh 105.00.

CURED AND PROCESSED MEATS
5 Loads

Semi-Boneless Hams: 14-17 lbs. 115.00 steady.

Boneless Hams: 13-17 lbs. 148.00 firm.

No. 1 Sliced Bacon, Vac Pac, 1 lb. pkg. 106.00, steady-weak.

Franks, 70 beef/30 pork, 1 lb. pack 87.00 steady-weak.

New Wilmington Auction

Monday, November 30
Report supplied by PDA

CATTLE 221. Compared with last Monday's market, slaughter cows 50 cents to $1 lower. One Good slaughter steer at 54.50, Standard 49.00-52.00. Few Good slaughter heifers 48.75-51.50, few Standard 45.00-47.25, few Utility 38.50-40.00. Utility & Commercial slaughter cows 38.00-41.75, few 44.00-45.00, Commercial No. 4-5 33.00-39.00, Cutters 34.50-39.00, Canner & Low Cutter 28.00-35.00, Shells down to 24.00. Yield Grade #1 and 2 1240-1830 lbs. slaughter bulls 43.75-47.00. Few Medium Frame #1 400-605 lbs. feeder bulls 40.00-52.00.

CALVES 262. Vealers $5 to $10 higher. One Prime vealer at 101.00, few Choice 85.00-90.00, few Good 70.00-80.00, Standard & Good 90-120 lbs. 40.00-60.00, 65-85 lbs. 32.50-45.00, Utility 50-90 lbs. 15.00-30.00. Farm calves, holstein bulls 95-135 lbs. 55.00-80.00; few holstein heifers 80-110 lbs. 55.00-70.00.

HOGS 410. Barrows & gilts steady. US No. 1-2 210-245 lbs. barrows & gilts 43.20-44.10, No. 1-3 200-260 lbs. 42.00-43.40, No. 2-3 200-275 lbs. 40.75-42.10, No. 1-3 100-155 lbs. 34.50-41.00. Sows mostly $2 higher. US No. 1-3 280-625 lbs. sows 40.00-45.00, few 48.00, few No. 2-3 340-640 lbs. 37.00-40.25. Boars 29.50-35.75.

FEEDER PIGS 87. US No. 1-3 20-30 lbs. feeder pigs 13.00-18.00 per head, few No. 1-3 45-60 lbs. 25.00-28.00, Utility 15-25 lbs. 5.00-10.00 per head.

SHEEP 95. Choice 65-120 lbs. wooled slaughter lambs 45.00-58.00, Good 55-100 lbs. 30.00-43.00. Slaughter ewes 10.00-29.00.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, Nov. 30
Report supplied by auction

Reported receipts of 231 calves, 96 cows, 14 bulls, 17 heifers, 13 steers, 41 hogs, 2 lambs, 12 sheep. Cattle market real active, calf market much higher.

Holstein Heifer Calves to 102.50; Veal Calves, no good veals; Bobs, 90-110 lbs. good 65.00-100.00; Bobs, 80 and down 50.00-60.00; Grassers & Feeders 32.50-46.25; Lambs 38.00-45.00; Sheep 10.00-25.00; Hogs, 200-250 lbs. 42.00-48.00; Sows 38.00-46.00; Boars None; Pigs 8.00-21.50; Heifers 38.00-44.00; Steers 40.00-46.50; Steers, feeder 53.00; Bulls 41.00-47.75; Cows, utility 40.00-42.00; Cows, fat 37.00-41.00; Cows, medium 32.00-35.00; Cows, poor or small 28.00-32.00; Horses small to 152.50; Ponies to 102.50; Goats to 47.00.

St. Louis Sheep

Thursday, December 3
Report supplied by USDA

Wednesday's weekly sheep auction: receipts about 350 head. Slaughter lambs 3.00-5.00 lower. Light supply feeder lambs steady to firm. Supply mainly wooled slaughter lambs.

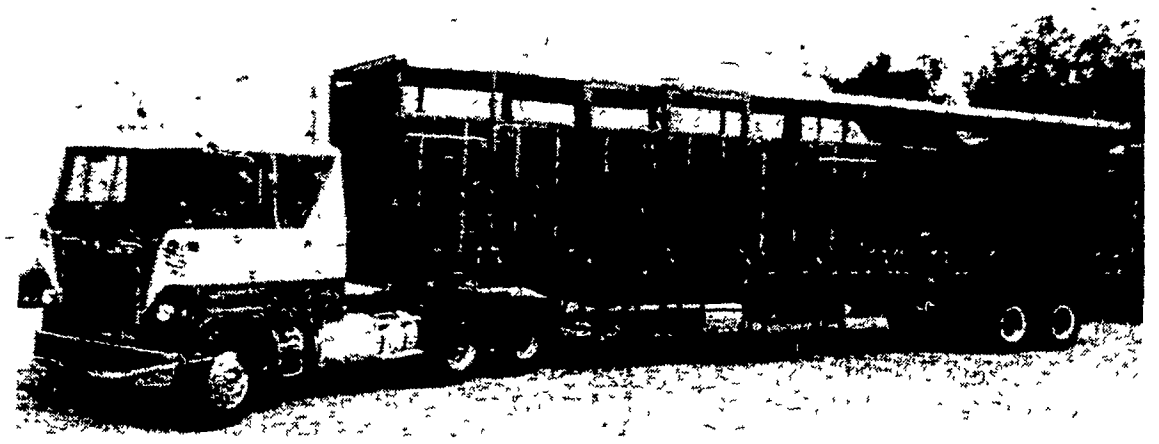
SHORN SLAUGHTER LAMBS: Part deck Choice and Prime 104 lbs. with No. 1-2 pelts 50.00.

WOOLED SLAUGHTER LAMBS: Choice and Prime 92-120 lbs. 45.00-47.00. Few lots Choice 80-100 lbs. 44.00-45.00.

SLAUGHTER EWES: Few cull 5.00-7.50.

FEEDER LAMBS: Small lots Choice and Fancy 68-84 lbs. 44.00-45.50.

For quotations of next week's prices
call collect 215-488-7617
After 2:00 P.M. Wednesday



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Livestock market and auction news

THE OLD FARMER'S ALMANAC

DEC. 7-13, 1981

Bleak and bleary, slushy and dreary.

Order your Christmas turkey now Golda Meir died Dec 8, 1978 Full moon Dec 11 (Fri) Average length of days for the week, 9 hours, 8 minutes First transatlantic radio signal Dec 11, 1901 Gold first deposited in U S Mint Dec 8, 1848 *Anger soon dies with a wise and good man*

Ask the Old Farmer: I have just finished a chair-caning class and I am wondering, why did anyone cane a chair in the first place? F C, Allendale, NJ

The "rush-bottomed" chair was used in Europe long ago because people couldn't afford to buy lumber for wooden chair seats, or leather either, still they appreciated a comfortable seat

Home Hints A pancake turner is just the thing to slide sandwiches with soft fillings into plastic sandwich bags

OLD FARMER'S WEATHER FORECAST

New England: Light snow in north turns to heavy rain, mild temperatures midweek, mild and cloudy through week's end

Greater New York-New Jersey: Rainy and mild all week, turning cloudy during weekend

Middle Atlantic Coastal: Beginning of week, cloudy and cold, rain and mild temperatures midweek, partly cloudy during weekend

Piedmont & Southeast Coastal: Cloudy and cold at week's start, rain rest of week, weekend sunny and cold, turning to rain

(All Rights Reserved Yankee Inc Dublin N H 03444)

Lancaster Feeder Cattle

Friday, Nov. 27
Report supplied by USDA

Today	238
Last Friday	743
Last Year	328

TREND: Hardly enough of any one class for a market test; few lots 5-12 head, but bulk of supply sold in lots of three or less.

FEEDER STEERS: Medium Frame 1: Few lots 785-960 lbs. 57.25-59.75. Medium Frame 1-2: Couple lots 830-895 lbs. 54.60-55.75. Large Frame 2 Holsteins: Couple lots 770-800 lbs. 45.50-47.00; one lot 930 lbs. 44.50.

New Holland Dairy

New Holland, Pa.
Wednesday, Dec. 2
Report supplied by auction

Reported receipts of 89 cows, 44 heifers, and 0 bulls. Market steady.

Load of Wisc. fresh cows, 1085.00-1375.00; Load of Susq. fresh cows, 1325.00-1450.00; Load of NY fresh cows, 975.00-1575.00, springers 1100.00-1425.00; Load of Pa. fresh cows, 1150.00-1250.00, springers 1035.00-1150.00; Load of Pa. fresh cows, 1025.00-1700.

Locally consigned cows 530.00-1500.00; Springing heifers 750.00-1300.00; Open Heifers 350.00-600.00.

Belleville Auction

Belleville, Pa.
Wednesday, Nov. 25
Report supplied by PDA

CATTLE 87. Compared with last Wednesday's market, slaughter cows $1 to mostly $2 higher. Utility and Commercial slaughter cows 37.50-41.10, couple 43.75, Cutters 34.50-38, Canner and Low Cutters 30-34.50. Yield Grade #1, individual's 1350 & 1425 lbs. slaughter bulls 45.25 & 48.85.

CALVES 115. Individual Choice vealer at 80.00, one Good at 62.00, Standard and Good 70-100 lbs. 45.00-53, few Utility 50-80 lbs. 30.00-45. Farm Calves: Hol. Bulls 85-130 lbs. 55.00-99, mostly 75.00-95; few Hol. Heifers 80-100 lbs. 51.00-67.

HOGS 194. Barrows and gilts $1 higher. US No. 1-2 2-230 lbs. barrows and gilts 45.60-46.35, No. 1-3 2-255 lbs. 44.60-45.35, lot 46.85, lot No. 1-3 181 lbs. at 42.00. US No. 1-3 300-500 lbs. sows 39.00-44, few No. 2-3 400-500 lbs. 35.50-39. Few Boars 33.00-34.00.

FEEDER PIGS 265. US No. 1-3 20-35 lbs. feeder pigs 13.00-23 per head, No. 1-3 35-50 lbs. 18.50-27, No. 1-3 60-80 lbs. 33-36.50 per head.

SHEEP 4. Not enough of any one grade to establish a market.

GOATS 12: $14-$41 per head. HOLSTEIN DAIRY COWS $700-$1180 PER HEAD, Couple $1330 per head.

Belknap Auction

Dayton, Pa.
Wednesday, Nov. 25
Report supplied by PDA

CATTLE 65. Individual Good slaughter heifer at 48.00, few Standard 43-43.75. Few Utility and Commercial slaughter cows 38.00-40, individual 43.50, Cutters 34.00-37, Canner and Low Cutters 25.00-34. Individual Yield Grade No. 1, 1220 lbs. slaughter bull at 46.25, couple #2's, 1070 & 1165 lbs. 38 & 42.00. Large Frame #1, 640-1000 lbs. feeder steers 45-54.50. Few Medium Frame #1&2, 335-550 lbs. feeder heifers 33.00-41.

CALVES 72. Couple Choice vealers 84.00 & 86, Standard and Good 90-110 lbs. 40.00-55, 65-85 lbs. 30.00-41, few Utility 70-90 lbs. 20.00-30. Farm Calves: Hol. Bulls 100-125 lbs. 56.00-70; Hol. Heifers 85-105 lbs. 50.00-65.

HOGS 97. Barrows and gilts 50 cents higher. Few US No. 1-2 230-240 lbs. barrows and gilts 44.50-45, No. 1-3 205-255 lbs. 43.50-45, lot No. 2-3 205 lbs. at 42.00, few 305 lbs. at 42.00. Sows mostly $2 lower. US No. 1-3 275-590 lbs. sows 38.00-45. Few Boars 30.00-32.

FEEDER PIGS 103. US No. 1-3 20-35 lbs. feeder pigs 9.00-19 per head, Utility 25-45 lbs. 6.50-15.50 per head.

SHEEP 1. Not enough for the market test.

Dewart Auction

Dewart, Pa.
Monday, November 30
Report supplied by PDA

CATTLE 71. Compared with last Monday's market, slaughter cows strong to 75 cents higher. Couple Choice slaughter steers 61.25 & 62.50, couple Good 54 & 59.50. Few Good slaughter heifers 55.25-57.50. Utility and Commercial slaughter cows 36.50-41.50, one 43.35, Cutters 33.75-37, Canner and Low Cutters (few) 31-34.50, Shells down to 30. Individual Good slaughter bullock at 53.75.

CALVES 122. Few Choice vealers 80.00-90, few Good 70.00-75, Standard and Good 70-100 lbs. 50.00-60. Farm Calves: Hol. Bulls 85-125 lbs. 60.00-96; few Hol. Heifers 60-100 lbs. 51.50-100.00.

HOGS 224. Barrows and gilts 25 cents-75 cents lower. US No. 1-2 215-245 lbs. barrows and gilts 44.60-45.10, No. 1-3 230-255 lbs. 43-44.50, lot No. 1-3 190 lbs. at 42.85, US No. 1-3 260-650 lbs. sows 40.50-43.75. Few Boars 31.00-35.00.

FEEDER PIGS 56. US No. 1-3 20-35 lbs. feeder pigs 12.00-22 per head, No. 1-3 125-150 lbs. 38.00-43 per hundredweight.

SHEEP 16. Few Good to Low Choice 90-115 lbs. wooled slaughter lambs 50.00-53.50. Few Slaughter ewes 10.50-30.50.

Joliet Cattle

Thursday, December 3
Report supplied by USDA

CATTLE: Friday through Wednesday's salable receipts 5,400; 4 days last week 3,398; same period a year ago 5,161. Trading moderate for the week. Slaughter Steers ended the week steady to .50 lower compared with Wednesday of last week. Slaughter Heifers ended the week mostly steady, instances .50 higher. Cows closed the week steady.

SLAUGHTER STEERS: Mixed Choice and Prime 3-4 1150-1350 lb. 60.50-62.00, mostly 61.00-62.00. Choice 2-4 1050-1300 lb. 59.50-61.25. Mixed Good and Choice 2-3 1000-1200 lb. 58.50-59.50. Mixed Good and Choice 2-3 1200-1400 lb. Holsteins 54.25-56.50.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 950-1100 lb. 58.50-59.50 Monday; 59.50-60.00 Wednesday. Choice 2-4 900-1050 lb. 57.50-58.50 Monday; 58.00-59.50 Wednesday. Mixed Good and Choice 2-3 800-1000 lb. 56.00-57.50 Monday; 56.50-58.00 Wednesday.

COWS: Cutter and Utility 1-3 34.00-37.00.

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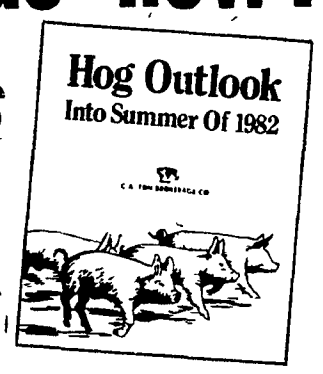

What is the market outlook for hogs from now into the summer of 82? How many hogs will probably be kept for breeding? What are the farrowing intentions? How many pigs projected per litter? What are commercial slaughter estimates? What about beef and broiler production? Consumer demand? Price history and outlook? Bullish and bearish forces? This new Clayton report reviews the total hog picture in detail Gives you an in-depth overview It s the most authoritative report on hogs Clayton will issue this year If you have an interest in hog prices you should have this report It's free For your copy, send the coupon or phone Mike Orndorff, 215-265-8800 or (toll-free PA) 800-362-7693

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Livestock market and auction news

Belknap Livestock Auction

Dayton, PA
Wednesday, Dec. 2
Market by PDA

CATTLE 69 — Compared with last Wednesday's market, slaughter cows steady to weak. One Standard slaughter steer at 46.50, few Utility 38.50-43. Couple Good slaughter heifers 45.00&46.50, Standard 37-42.50. Few Utility and Commercial slaughter cows 36.50-39, few Cutters 34-36.75, Canner and Low Cutters 25.50-33.75. Couple Yield Grade #1, 1130&1260 lbs. slaughter bulls 48.50&50, few #2, 1025-1615 lbs. 40-44.75. Few Medium Frame #1&2, 575-725 lbs. feeder bulls 32.00-35.

CALVES 83. Few Choice vealers 85.00-87, one Good at 72.50, Standard and Good 90-120 lbs. 40.00-58, 65-85 lbs. 30.00-45, few Utility 55-85 lbs. 20.00-30. Farm Calves: Hol. Bulls 100-130 lbs. 55.00-60.

HOGS 178. Barrows and gilts mostly 50 cents lower. US No. 1-2 (few) 220-230 lbs. barrows and gilts at 44.50, No. 1-3 2-260 lbs. 43.00-44, lot No. 2-3 245 lbs. at 40.75, No. 1-3 100-160 lbs. 36.00-43. Sows about steady. US NO. 1-3 320-590 lbs. sows 40.00-43. Boars 28-37.50.

FEEDER PIGS 149. US No. 1-3 20-35 lbs. feeder pigs 11.00-20 per head, No. 1-3 35-50 lbs. 17.00-25, No. 1-3 50-75 lbs. 25.00-26 per head, Utility 20-30 lbs. 5.00-6.50 per head.

SHEEP 0.

Lebanon Valley Auction

Fredericksburg, Pa.
Tuesday, December 1
Report supplied by PFA

CATTLE 146: Compared with last Tuesday's market, slaughter cows strong to $2 higher. Few Choice No. 3-4 900-1235 lbs. slaughter steers 60.00-62.25, few Good 58.85-61.60, Standard 53.00-58.50, few Utility & Low Standard 40.00-49.50. Few Choice No. 3-4 slaughter heifers 57.10-60.50, couple Good 53.00 and 55.00, few Utility & Standard 41.75-50.85. Utility & Commercial slaughter cows 39.00-41.75, few 43.60, one 45.00, Cutters 35.50-39.00, few 40.00, Canner & Low Cutter 30.00-36.50, few Shells down to 25.00. One Good slaughter bullock at 54.00, few Standard 51.75-53.75. Couple Yield Grade #1 1445 and 1865 lbs. slaughter bulls 53.75 and 55.00.

CALVES 260: Vealers grading Standard & Good 2.00-3.00 lower. Few Choice vealers 88.00-108.00, few good 68.00-83.00, Standard & Good 90-110 lbs. 55.00-63.00, 65-90 lbs 48.00-53.00, few Utility 60-95 lbs. 35.00-45.00. Farm calves, holstein bulls 85-135 lbs. 61.00-99.00; few holstein heifers 80-105 lbs. 60.00-122.00; slaughter calves, grading Good & Choice 280-400 lbs. 42.00-69.00, one at 78.00.

HOGS 93: US No. 1-2 200-250 lbs. barrows & gilts 45.25-45.60, No. 1-3 225-260 lbs. 44.35-45.00, No. 2-3 215-270 lbs. 43.35-44.35, lot No. 290 lbs. at 40.35. US No. 1-3 300-475 lbs. sows 39.25-41.50, few 42.00-44.50, few No. 2-3 360-375 lbs. 32.50-39.00. Few Boars 34.50-35.00.

FEEDER PIGS 44: US No. 1-3 15-25 lbs. feeder pigs 56.00-59.00 cwt., lot 1-3 35 lbs. 77.00 cwt.

SHEEP 2: Two Slaughter Rams at 18.00.

GOATS 4: 25.00-30.00 per head.

Westminster Auction

Westminster, Md.
Tuesday, Dec. 1
Report supplied by auction

Receipts light due to bad weather.

BUTCHER COWS: High Yield few to 43.00; Standard & Utility 37.50-40.00; Canners 35.00-37.00; Shelly 36.00 Down. Bulls few offered, Good to 48.50; Steers Good 800-1000 lbs. to 59.75; Heifers 1 Choice at 60.50.

BUTCHER HOGS: Too few to quote trend. US #1 & 3 215-240 lbs. one lot to 43.25. Sows Few offered, heavy weights to 43.00. Boars 400-600 lbs. 33.50.

VEAL CALVES: Good & Choice 78.00-93.00; Standard 65.00-78.00; Stocky & Thin 50.00-60.00; Killers 80-100 lbs. 50.00-55.00; Weak & Rough 50.00 Down.

CALVES RETURNED TO FARM: Holstein Heifers Bulk 85-110 lbs. 65.00-80.00; Holstein Bulls Bulk 95-120 lbs. 85.00-105.00, few to 107.00.

LAMBS: Good to 44.00; Sheep 12.00-20.00.

STOCK CATTLE: Steers Good and Choice 48.00-56.50. Heifers Choice 300-600 lbs. 45.00-50.50, few to 57.50. Bulls Good and Choice 45.00-55.00.

PIGS AND SHOATS: By the Head 15-30 lbs. 13.00-22.00; 30-40 lbs. 15.00-28.00; 60 lbs. 35.00. St. Boars by the lb. 300 lbs. at 34.50.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Nov. 28
Report supplied by auction

STOCKER, FEEDER, AND SLAUGHTER CATTLE: Good Light Steer Calves 56.00-61.25; Medium 51.00-55.75; Plain 50.00 and down; Good Heavy Steers 53.00-58.75; Medium 48.00-52.75; Plain 47.00 and down; Holstein Steers 46.00 and down; Good Light Heifer Calves 44.00-49.50; Medium 39.00-43.75; Plain 38.00 and down; Good Heavy Heifers 43.00-48.25; Medium 38.00-42.75; Plain 37.00 and down; Slaughter Cows 37.00-42.50; Utilities 32.00-36.75; Cutters & Canners 31.00 and down; Milk & Stock Cows 500.00 and down; Stock Bulls 54.50 and down; Slaughter Bulls 54.50 and down.

CALVES: Veal Calves 63.00 and down; Baby Calves 67.00 and down.

SHEEP & LAMBS: Choice Blue O 48.00; Good Red O 43.00; Feeder Lambs 40.00-42.50; Slaughter Ewes 10.50-14.25; Stock Ewes 46.00.

HOGS: Top 44.40; Medium 39.00; Sows 49.50 and down; Butcher Hogs 47.50 and down.

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Off the Sounding Board

By Sheila Miller, Editor

Don't miss the Ag Arena sale

Want to go to an historic sale?

If you do, then be at the Ag Arena Sale next Friday at the Farm Show Complex in Harrisburg. There's sure to be lots of excitement and something for everyone to bid on as over 200 head of top dairy and beef cattle, swine, and sheep cross the auction block in this fund-raising event.

When Lot Number 1 of the Dairy Cattle lineup enters the sale ring, all eyes will turn to Pennsylvania's Secretary of Agriculture Penrose Hallowell who went on record this summer saying he'll open the bids on this Paclamar Astronaut daughter at $10,000.

This 4-year-old Holstein is being consigned by Obie Snider, Singing Brook Farms, Imler. She will be joined in the sales ring by more than 100 other top-pedigreed Black and Whites whose owners have agreed to donate at least 50 percent of the sale price to the Penn State Ag Arena Building Fund.

What a Christmas present this will be for the students and faculty at Penn State — gift wrapped with generous, sincere concern by farmers from Pennsylvania and surrounding states. Once the final gavel of the sale has fallen on the last consignment, Penn State's Ag Arena hopefully will be close to its $900,000 construction-cost mark.

All the animals will be there next Friday, ready and waiting to be trucked to their new homes But what lies between the sale event and the successful attainment of the Penn State goal are the buyers

As I leaf through the sale catalogs, looking at pedigrees and pictures, I feel like a kid again, flipping though the pages of the mail-order Christmas wish-book. But instead of toys and dolls to dream of, this time it's livestock

Which one would I choose, how many would I like . . . as always, the real question is — what's the price tag?

According to sale managers Dennis Grumbine, swine, Robert Coleman, beef cattle, Tom Calvert, sheep, and Bill Nichol, dairy cattle, this sale will be offering something to fit "everybody's pocketbook."

And you don't have to be a Penn Stater to get a buyer's number, either. As a matter of fact, if it's anything like the list of consignors, the buyer's list could put Penn State alumni to shame.

Well, be that as it may, won't it be great once all the plans are laid in place and the pillars begin to shape the arena? Consignors and buyers will know that their support has provided the financial foundation for a learning center that will help in forming the futures of tomorrow's Penn State ag students.

No longer will Block and Bridle students have to shuffle straw bales into make-shift show rings in the beef and sheep center's latest addition — the metal shed. This structure has served as a shelter for shivering students and parents participating in the inevitably-frigid livestock show ever since Joe Paterno's 'stars' kicked Ag Hill's Little International exhibitors out of the Ice Pavillion.

And Dairy Expo showmen won't have to be tredding on the heels of the dairy cows in front of them any longer — the new Ag Arena will cure the tight-squeeze malady long experienced in the dairy barn pavillion.

Even though the Penn State students and professors will enjoy the facility for shows and lectures throughout the year, the Ag Arena will also provide a centrally-located site for livestock and dairy events and sales sponsored by off-campus groups

Take it from this Ag Hill alumni — the Ag Arena will meet a long-overdue need for everyone affiliated with Pennsylvania agriculture.

So bring your checkbook and support this fund-raising endeavor. Don't forget — dairy cattle start selling at 11 a.m., with the beef sale beginning at noon. Then, after an afternoon break and 'snack' to keep the buyers appetitites satiated, the swine sale gets rolling at 7 p.m. with sheep selling at 7:30 p.m.

Come out and enjoy the livestock, the people and the food. See you at the sale.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

CHRIST'S "SOMETHING MORE"
December 6, 1981

Background Scripture:
Matthew 14:28-33; Mark 1:1-11; 9:2-8.
Devotional Reading:
1 Corinthians 1:20-31

At one time is was fashionable in some circles to regard Jesus as nothing more than a fictional or mythical character. Apart from the Bible itself, there is no proof that such a man actually lived and died in the first century A.D.

Nevertheless, today, if I can in any way judge from what I see, hear and read, there doesn't seem to be much doubt among most people that Jesus was an actual historical figure. The conflict and disagreement today seems much more to be over the question: **Who was this man?** or, depending upon your approach, **Who is this Christ?**

The Son of God

Christians often attempt to answer either or both of these questions by listing one or more of his titles, Jesus, we say, is the **Christ, the Messiah, the Lord, our Saviour, the Incarnate Word of God, the Master,** and the **Son of God.** (Altough we do not usually use this title, we are aware that the Gospels, particularly Mark, also calls him the **Son of man** at times.)

But titles are not answers by themselves. For when we say that Jesus is the Son of God, what are we saying?

In Mark, we find that Jesus' divine "sonship" was that Gospel's main theme. He begins his gospel proclaiming, "The beginning of the Gospel of Jesus Christ, the Son of God" (1:1). At Mark's recounting of the the baptism of Jesus, there is "a voice from heaven, 'Thou art my beloved Son; with thee I am well pleased" (1:11). And on the Mount of Transfiguration, there is another voice, saying of Jesus, "This is my beloved Son; listen to him" (9:7). What is Mark trying to say to us about Jesus?

In Daniel 3:25 King Nebuchadnezzar saw in the firey furnace, besides, Shadrach, Meschach and Abednego a fourth person whose appearance was that of a "son of the gods," indicating that there is something divine about him. In the books of Job and Psalms the term "sons of God" indicates beings who are divine but subordinate to God. In other Old Testament sources, to be God's "son" or "sons" implies simply a special relationship with God (the nation of Israel, Exodus 4:22,23; the Davidic king, Psalms 89:26,27; etc.)

The Divine Become Human

Mark, however, implies something more when he uses this term. This "something more" was a special, filial relationship between Jesus and God ("Father" being the term Jesus used most in referring to God.) It also indicated that the disciples realized that, in dealing with this man Jesus, in some way virtually indefinable they were dealing with God Himself. As John would later put it, they found that the Word had become flesh in Jesus, the divine expressed in human terms.

The title "Son of God" is impossible to precisely define, but it does not matter that we cannot define it, so long as we are able to experience for ourselves the "something more" of Jesus, the Son of God.

OUR READERS WRITE, AND OTHER OPINIONS

The grass is greener

I am writing this letter in response to the article "What price is a conservation practice?" by Herbert L. Brodie, Extension Ag Engineer for the University of Maryland. (November 21, 1981 issue, B39)

There's no doubt that soil conservation is a pressing problem in this country, even though it is not receiving priority right now in national policy. The question is, how can we accomplish this goal?

Articles such as this one tend to make two points. First, they attempt to make farmers feel guilty about letting the dirt wash down the hill. Second, they try to prove that soil conservation "pays."

Generally, farmers understand what is involved much better than the average apartment dweller. They would grow forages, rotate crops and so on if they could afford to. But the trouble is, soil conservation does not really pay in today's economy.

Experienced farmers are very sensitive to what pays. To prove that it pays, you have to assume that the farmer can invest savings, and that his only alternative is a 5 percent savings account.

(Continued from Page A12)

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Plan Work Schedules in Layer Houses

If you are planning to work with your layers, such as applying a miticide to control lice or mites or do any noisy repairs to the feeders, fans, or waterers - this work should be done in the afternoon. The reason for this is - it's after the hen has laid her egg for the day, and she is a lot less susceptible to injury and damage to the future eggs. Your everyday chores won't upset them because they are accustom to them, but these unusual conditions can upset their regular cycle.

Just a word on the number of birds per cage. It may seem like a good idea to add one extra bird per cage, but this could lower your hen-house production. There are over 20 cage density experiments and they all show a lowered production per hen when you add that extra hen. Keep in mind that very small differences in production can result in large economic differences over time in large flocks. With an oversupply of eggs, we really don't need that extra bird anyway.

To Renew Private Applicator License

Farmers are reminded that they now have a "second chance" to take update training and quality for the renewal of their private applicators license to apply restricted use pesticides in 1982, says Arnold G. Lueck, County Agent.

Most private applicators are farmers. Many had their licenses expire last September 30. This simply means these license/permits have to be renewed soon. Fortunately, the Bureau of Plant Industry officials of the Pennsylvania Department of Agriculture have extended the time to get this renewal completed to March, 1982.

The best way to obtain update training is to attend some winter meeting sponsored by Penn State Extension or agribusiness firm, where pesticide use is discussed or explained. Attendance at such a meeting will qualify to obtain "The Pesticide Applicator Update Training Certificate" slip of paper which must be sent in to get a new license.

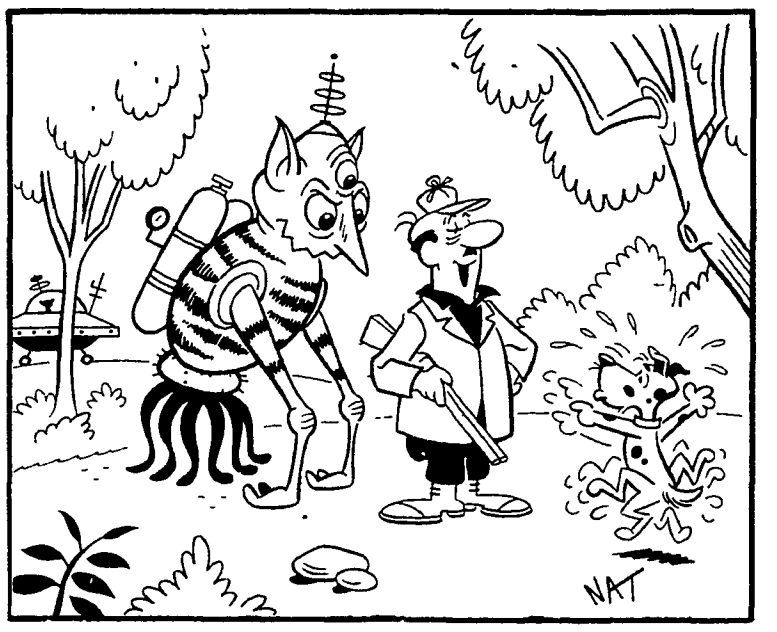
We strongly urge farmers to check their wallet-sized license card to see if they are currently eligible to buy and use restricted insecticides, herbicides and fungicides. If there is an expired date on the card, get to a winter meeting in the next three months and re-qualify yourself.

To Observe Withdrawal Time

The use of drugs and antibiotics are needed in many cases with livestock and dairy production. Their use is quite common in many farm operations. However, the misuse of these materials is where trouble can start. When these items are administered to animals, the owner should read the label for directions relating to withdrawal period for milk cows, or time between treatment and slaughter for meat animals. This is only good common sense that these regulations should be followed. To short-cut the period of time is only jeopardizing the product and the entire farming business. Don't take chances with our valuable food products. Also, be sure to keep

(Turn to Page A12)

HAY HAWS



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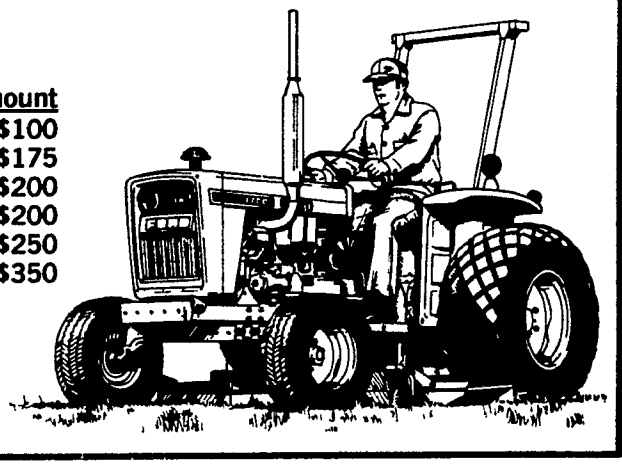

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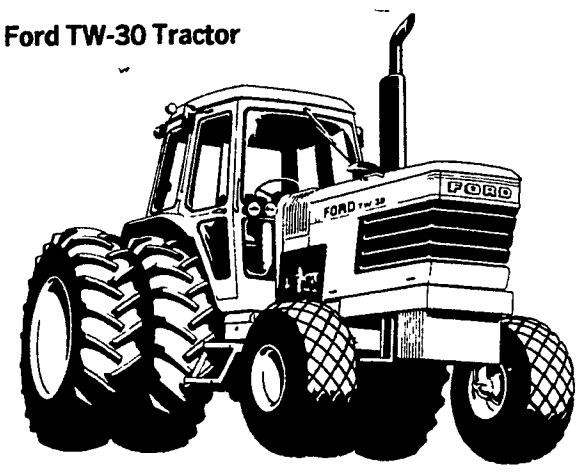

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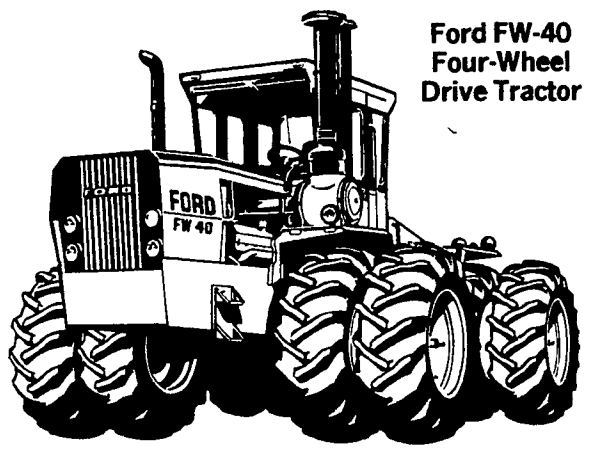

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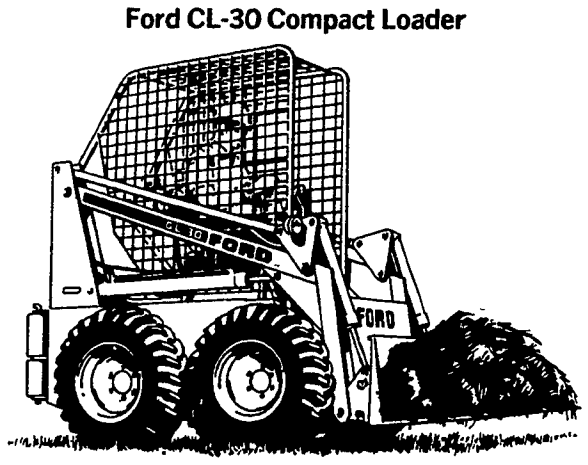

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OUR READERS WRITE

(Continued from Page A10)

Further, you have to assume that he is willing to accept a very modest return on his savings, with a payback period of many years. The only motivation for using soil conservation practices today (e.g. forages and beef instead of continuous corn up and down the hill) is the feeling of satisfaction that comes from knowing you are doing the right thing.

Soil conservation is a kind of saving. That is, the farmer accepts a lower spendable income today in the hope of a greater income in the years to come.

Our economy has been biased against saving for many years. Just look at what has happened to investors in 5 percent savings accounts.

Farmland has become a speculative plaything for doctors and dentists. Why make a long-term and not-very-lucrative investment in productivity if you are planning to sell off lots on the road frontage in a few years?

I wish we could solve the problem in a way consistent with the farmer's freedom to farm his own way and make his own choices. With low inflation and stable prices, farmland would lose its attraction as an inflation hedge. The value of a long-term investment in productivity could be assessed more accurately and would be more attractive. The same would be true for industrial corporations — General Motors and so on.

Unfortunately, I am afraid we are going to solve the problem with regulations instead of incentives. Certain practices, such as fall plowing after soybeans, will simply be forbidden. Farmers will have to submit proposed cropping schemes in triplicate to a Land Inspector, just as a builder must have new construction approved by a Building Inspector.

Farmers will have to contend with all the nuisance, red tape and waste of time that builders have to put up with. City people, who outvote the farmers many times over in this area, would support this because they are used to the regulatory approach to solving problems.

The federal government has tended to focus on engineering structure rather than cropping schemes. Examples are terraces, drain tile and dams. But much of soil conservation can be summed up in one phrase: grow grass.

If there is forest on the mountains and grass on the slopes, you won't need a dam. And, if sloping ground is not planted in grass, the dam won't work anyway because of siltation. So we should focus on ways to make it profitable for farmers to grow grass — or at least more grass than they are growing now.

Dairy price supports have this effect up to a point, but only to the extent that the dairyman is feeding hay rather than silage corn and grain. Price supports for corn tend to expand the acreage in this crop — surely this is not what we want.

It is well-known that there is very little erosion from acreage planted in pasture or meadow. Where it is profitable to grow grass, the soil conservation problem will solve itself.

David Hamilton
Robbinsville, N.J.

Grain industry benefits

When two sports teams play each other, an impartial, independent official is present to administer a pre-determined uniform set of rules. When two parties contest an issue in court, an impartial, independent judge is present to administer a uniform set of laws. When contestants enter a state fair, impartial, independent judges grade the entries under a uniform set of standards.

Much the same situation prevails when grain is bought and sold. Both the buyer and seller are more confident they are getting a fair deal when the quality of that grain is determined by impartial, independent inspectors under a pre-determined uniform set of grade standards.

This nationwide, uniform set of grain standards, known to all in advance of the transaction and subject to official appeals, is what I refer to when I describe service to the grain industry as one of the major functions of the Federal Grain Inspection Service.

Under the new thrust of this administration, and with the concurrence of the Congress, the Federal Grain Inspection Service has been operating under a shift in emphasis since Oct. 1. While fees for grain inspection services were charged before, they have now been increased to reflect more accurately the costs of providing those services.

The user fee concept is not new — it has existed for many services provided by the government. And in the past year, many other agencies have either adopted user fees for the first time or increased existing fees to defray the costs of operation.

In the Federal Grain Inspection Service, we recognized that increased fees would have an impact on grain transactions, and that there had been complaints that costs were higher than necessary to provide the services.

The agency had grown rapidly since enactment of the U.S. Grain Standards Act in 1976 to enable it to administer the added responsibilities mandated by the legislation. But early in 1981 we recognized that the agency was ready to enter its second phase — that the experience of the first five years had been assimilated and we were ready to begin continuous operation under a leaner and more efficient structure.

And I mean leaner. When we learned we would be asked to obtain about 90 percent of our operating funds from the users of our service — instead of the 60 percent in past years — we moved to reduce our staff in Washington and the field by about 25 percent. We removed a layer of management by closing our five regional offices and we restructured the whole agency so that the field offices now report directly to one person in Washington.

It must be clearly understood, however, that the reduction in staff will not result in a lack of adequate staff, a decrease in prompt responses or a weakening of the integrity of the system. It will mean that the staff will be leaner and taking proper care of work local peaks will require more advanced planning and scheduling.

In addition to the efficiencies gained from a smaller, better organized staff, we are also reviewing existing procedures to see where they can be improved, and examining proposed procedures more closely before they are issued.

We will be delegating to the private and state agencies more responsibility to supervise their own employees and to ensure the quality of the service they provide. This will result in more decision-making at the local level while holding down costs users must pay for supervision.

We have been told that despite these cost-cutting measures, the new user fees will result in a decrease in demand for official services. Because the new fees have been in effect only since Oct. 1, it is too early to estimate the actual impact they will have. But some grain firms have already indicated to us they will shift to unofficial services, and some have

(Turn to Page A31)

Now is the Time

(Continued from Page A10)

accurate records of all treatments. In cases where excess tolerances are found, it might save time and money.

To Store Firewood Outside

We are more energy conscious than we've every been - this is certainly a good trend. Most homes are equipped with a real energy saver - the fireplace. A lot of people will be using their fireplace more than ever before so they'll be using more firewood. Proper storage is important.

When storing your firewood, keep it outside the house - insects many hibernate in the wood piles. If you keep in inside, they'll think it's spring and wake-up, come out and be a pest in your home. If this happens, use an ant and roach aerosol for control. It is a lot easier just to keep the firewood in a cool garage or some outside shelter. The important thing is to keep it dry, even if it means covering it with a plastic tarp. Wet firewood takes a lot of heat just to dry it out.

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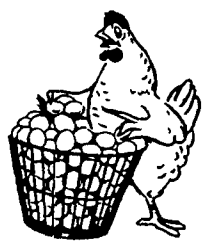

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Livestock market and auction news

Peoria Cattle

Thursday, December 3
Report supplied by USDA

Compared to last week Slaughter Steers .50, instances 1.00 lower. Heifers .50, instances .75 higher. Cows steady to 1.00 lower. Bulls remained steady. Trade slow on Slaughter Steers both Monday and Wednesday moderate on Heifers. Demand moderate with buyers cautiously observing the erractic and unsettled wholesale beef trade. Receipts this week about 3400 this week as compared to 2867 a week ago and 5433 a year ago.

SLAUGHTER STEERS: Choice, few Prime 2-4 1050-1350 lbs. 59.00-60.75, part load 1125 lb. 61.00. Load 1250 lbs. 61.50. Good and Choice 2-4 950-1150 lbs. 57.50-60.00. Largely 58.00-59.50. Few packages 1200-1500 lbs. Holsteins 54.00-57.50. Good 56.00-59.00.

SLAUGHTER HEIFERS: Choice, including Prime 2-4 950-1100 lbs. 57.50-59.00. Few packages 950-1075 lbs. 59.50. Couple part loads 975-1025 lbs. 60.00-60.25. Mixed Good and Choice 2-3 850-950 lbs. 55.50-57.50. Good 53.00-56.00.

COWS: Utility and Commercial 1-3 34.00-38.00. Package returning to farm 39.50. Cutter 32.00-36.00. Canner and low Cutter 30.00-34.00.

BULLS: YG 1-2 1100-1850 lbs. 42.00-48.00.

Oklahoma Cattle

Thursday, December 3
Report supplied by USDA

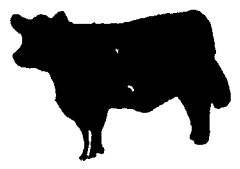
CATTLE AUCTION. Moderately active, early sales feeder cattle and calves steady. Moderately active, slaughter cows steady. Slaughter bulls not tested. Majority receipts consists mainly of feeder cattle and calves Cows and bulls make up 4 percent of supply. Moderate attendance buyers.

FEEDER STEERS: Medium and Large Frame 1. 350-400 lbs. 68.00-74.50; 400-500 lbs. 67.50-71.40, pkg. 412 lbs. 73.10; 500-600 lbs. 64.40-68.30, pkg 578 lbs. fleshy 63.20, 625-709 lbs. 63.60-64.90; 800-902 lbs 60.80-61.80.

FEEDER HEIFERS. Medium and Large Frame 1: 300-400 lbs. 57.00-59.55, 400-500 lbs 55.70-61.25; 500-550 lbs. 56.00-57.20, three pkg. 503-597 lbs. 58.70-60.20, 600-700 lbs. 55.20-56.60; pkg. 705 lbs 57.50.

SLAUGHTER COWS Utility and Commercial 2-3 37.90-40.90, Low-Dressing and YG 3-4 two pkgs. 37.25-37.75; Cutter 1-3 35.25-38.30, pkg. 1186 lbs. holsteins 39.00; Canner and Low-Cutter, few 33.60-34.00.

REPLACEMENT AND OR FEEDER COWS. Medium Frame 1-2. Young 46.60-46.75; Middle Aged 36.25-40.25.



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(3) **It remains in the gizzard longer.**
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There's a lot more we'd like you to know about the superiority of pure reef oyster shell over other calcium sources. Call or write and we'll send you additional information.

Meanwhile, don't take chances with your egg check. Ask your feed manufacturer to include oyster shell in your layer rations. If someone asks you to change, ask to see his research.

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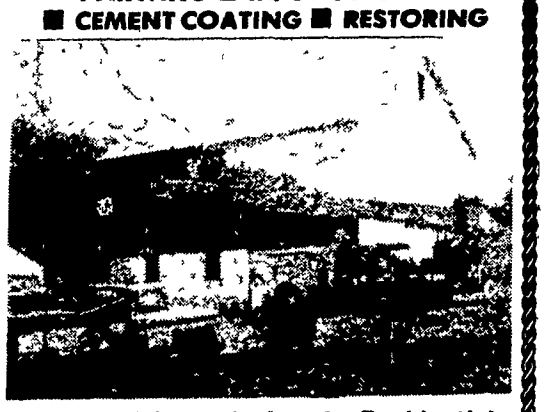

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Livestock market and auction news

Leesport Auction

Wednesday, December 2
Report supplied by PDA

CATTLE 281. Compared with last Wednesday's market, slaughter cows steady to strong. Few Choice 1000-1200 lbs. slaughter steers 63.00-64.85, Good & Choice 1275-1475 lbs. holsteins 57.25-59.10, Good 58.00-62.00, Standard 54.00-57.00. Choice 875-1170 lbs. slaughter heifers 57.25-60.50, few to 64.00, few Good 55.25-56.10. Utility & Commercial slaughter cows 40.00-53.35, few to 44.00, Cutters 36.00-41.00, few to 42.35, Canner & Low Cutter 33.25-35.85; Shells down to 26.35. Good slaughter bullocks 59.00-64.60, few Standard 48.00-50.75. Yield Grade #1 1300-1900 lbs. slaughter bulls 54.50-58.60; few yield grader #2 950-1220 lbs. 49.25-54.75. Medium Frame #1 400-700 lbs. feeder steers 51.00-59.00, few Large Frame #2 500-800 lbs. 38.50-47.00, Small Frame #1 365-525 lbs. 41.50-48.50; few Medium Frame #1 525-620 lbs. feeder heifers 37.50-39.50, one lot Large Frame #1 465 lbs. at 46.50; few Medium Frame #1 470-775 lbs. feeder bulls 43.00-50.00, one lot Large Frame #2 375 lbs. at 43.00.

CALVES 147. Few Choice vealers 80.00-85.00, few Good 67.00-77.00, few Standard & Good 110-130 lbs. 58.00-62.00, 90-110 lbs. 50.00-57.00, 70-85 lbs. 45.00-52.00, Utility 70-100 lbs. 30.00-45.00. Farm calves, holstein bulls 90-135 lbs. 57.00-72.00; holstein heifers 90-160 lbs. 80.00-101.00, few down to 59.00.

HOGS 345. Barrows & gilts 75 cents to $1 higher. US No. 1-2 200-235 lbs. barrows & gilts 45.75-46.75, No. 1-3 200-270 lbs. 45.00-46.10, one lot 46.85, few No. 2-3 215-270 lbs. 42.75-43.25. US No. 1-3 300-560 lbs. sows 40.00-43.25, few 490-715 lbs. 38.00-41.00, Utility 300-450 lbs. 36.00-40.00. Boars 34.00-35.50.

FEEDER PIGS 153. US No. 1-3 30-70 lbs. feeder pigs 60.00-71.00, few down to 50.00 cwt., No. 1-3 115-180 lbs. 46.50, one lot Utility 40 lbs. 45.00 cwt.

SHEEP 27. Few Choice 25-50 lbs. wooled slaughter lambs 90.00-112.00, few Choice 60-90 lbs. 55.00-61.00, few to 79.00. Few Slaughter sheep 15.00-24.00.

GOATS 9. 24.00-34.00, one at 48.00 per head.

Belleville Livestock Auction

Belleville, Pa.
Wednesday, December 2
Report supplied by Auction

CATTLE 110: Utility & Commercial slaughter cows 35.35-38.35, couple 40.10 and 43.10, Cutters 33.50-35.50, Canner & Low Cutter 28.25-33.00, Shells down to 13.50. Yield Grade #1 1315-2210 lbs. slaughter bulls 44.25-48.75.

CALVES 190: Standard & Good vealers 70-100 lbs. 48.00-61.00. Farm calves, holstein bulls 60.00-101.00, mostly 75.00-98.00.

HOGS 146: US No. 1-2 200-235 lbs. barrows & gilts 45.50-46.10, No. 1-3 190-260 lbs. 43.00-45.50. US No. 1-3 280-445 lbs. sows 46.50-54.50. Boars 32.50-34.00.

FEEDER PIGS 201: US No. 1-3 20-30 lbs. feeder pigs 11.00-20.00 per head, No. 1-3 35-50 lbs. 19.00-33.00, No. 1-3 50-75 lbs. 30.00-43.00 per head.

SHEEP 3: Not enough of any one grade to establish a market.

GOATS 12: 20.00-47.00 per head. (Holstein Dairy Cows 550.00-1520.00 per head.)

Morrison Cove Auction

Martinsburg, Pa.
Monday, November 30
Report supplied by auction

CATTLE 120. Good slaughter steers 56.50-58.25, Standard 54-56.50, Utility 51.25-53.60. Good slaughter heifers 55.60-57.25, Standard 54.50-55.50, Utility 48.50-53.50. Utility & Commercial slaughter cows 41.50-43.25, Cutters 39.50-41.25, Canner & Low Cutters 35.00-38.50, Shells down to 30. Yield Grade #2, slaughter bulls 51.50-53.50. Medium Feeder steers 45.00-47. Good feeder heifers 48.50-50.50, Medium 44-47.50. Good to Medium feeder bulls 44-49.50.

CALVES 292. Prime vealers 95.00-101, Choice 85.00-94, Good 75.00-83, Standard and Good 110-130 lbs. 60-67.50, 90-110 lbs. 50-58.50, 70-90 lbs. 45-51.50. Farm Calves: Hol. Bulls 90-130 lbs. 95.00-108; Hol. Heifers 90-130 lbs. 95.00-125.

HOGS 193. US No. 1-2 barrows and gilts 47.25-47.75, No. 1-3 46.25-47.25, No. 2-3 45-45.75, No. 2-4 44.50-45, No. 1-3 250-300 lbs. 44-44.50. US No. 1-3 sows 41.00-43, No. 2-3 39-40.75. Boars 32.00-36.

FEEDER PIGS 36. US No. 1-3 25-40 lbs. feeder pigs 16.00-24 per head.

SHEEP 0.

Weekly Summary

Friday, Dec. 4
Report supplied by PDA

CATTLE: 4757. Compared with 3580 head last week, and 4886 head a year ago. Compared with last week's market: Slaughter steers mostly steady to 1.00 higher. Sl. heifers steady to 2.00 lower; Sl. cows steady to 1.00 lower, spots 2.00 lower; Sl. bullocks & bulls small supply 1.00-2.00 higher. Sl. steers: High Choice & Prime No. 3-4, 63.50-66.00; Choice No. 2-4, 61.00-64.75; few Good 56.00-61.50; Standard 49.00-56.00. Sl. heifers: Choice 58.00-60.75, few 62.25; Good 55.00-57.50; few Standard 47.00-55.00. Sl. cows: Utility & Commercial 38.00-42.00, few 43.25; Cutters 34.00-39.00, few to 41.00; Canner & L. Cutter 28.00-37.00, few down to 25.00; Shells down to 20.00. Sl. bullocks: few Choice 59.00-63.75; Good 52.00-59.50; few Standard 48.00-53.75. Sl. bulls: Yield Grade No. 1, 1000-2550 lbs. 47.00-58.00, few down to 43.00; Yield Grade No. 2, 900-1550 lbs. 45.00-50.00.

FEEDER CATTLE: Steers, Medium Frame No. 1, 300-700 lbs. 51.00-59.00. Heifers, Medium Frame No. 1, 300-600 lbs. 37.50-47.50. Bulls, Medium Frame No. 1, 400-775 lbs. 40.00-52.00, few down to 32.00.

CALVES: 4802. Compared with 3094 head last week and 4206 head a year ago. Vealers unevenly steady. Few Prime 95.00-121.00; Choice 85.00-100.00; Good 65.00-85.00; few Standard 110-130 lbs. 55.00-68.00; 90-110 lbs. 47.00-60.00; 65-90 lbs. 30.00-45.00; Utility 60-110 lbs. 20.00-40.00.

FARM CALVES: Hol. Bulls 80-125 lbs. 50.00-108.00; mostly 60.00-90.00; Hol. Heifers 85-150 lbs. 50.00-127.50, mostly 70.00-110.00.

HOGS: 6451. Compared with 6555 head last week and 6233 head a year ago. Barrows and gilts mostly steady to 1.50 lower. US No. 1-2 200-240 lbs. 44.50-46.75, few 47.75; No. 1-3 250 lbs. 43.00-45.00; No. 2-3 200-275 lbs. 40.75-43.00; No. 1-3 140-190 lbs. 39.00-43.00; Sows uneven; US No. 1-3 300-600 lbs. 39.00-43.00; No. 2-3 300-700 lbs. 37.00-40.75. Boars 30.00-37.50.

FEEDER PIGS 860. Compared with 1125 head last week and 931 a year ago. Feeder pigs 2.00-5.00 lower. US No. 1-3 20-35 lbs. 11.00-20.00 per head; No. 1-3 35-50 lbs. 19.00-28.00; No. 1-3 50-75 lbs. 25.00-43.00 per head.

GRADED FEEDER PIGS: 2151. Compared with 2659 head last week, and 2567 head a year ago. All sales by CWT. Feeder Pigs mostly steady to 8.00 lower. US No. 1-2 25-40 lbs. 75.00-95.00, 40-50 lbs. 70.00-86.50, 50-60 lbs. 64.00-85.00, 60-70 lbs. 59.00-68.50, US No. 2-3 30-40 lbs. 62.00-85.00; 40-60 lbs. 47.00-62.00.

SHEEP: 490. Compared with 607 head last week and 346 head a year ago. Wooled sl. lambs mostly steady to strong. Choice 60-105 lbs. 45.00-61.00, mostly 45.00-58.00; Good 60-115 lbs. 38.00-49.50; Sl. ewes: 10.00-29.00 with few to 32.00.

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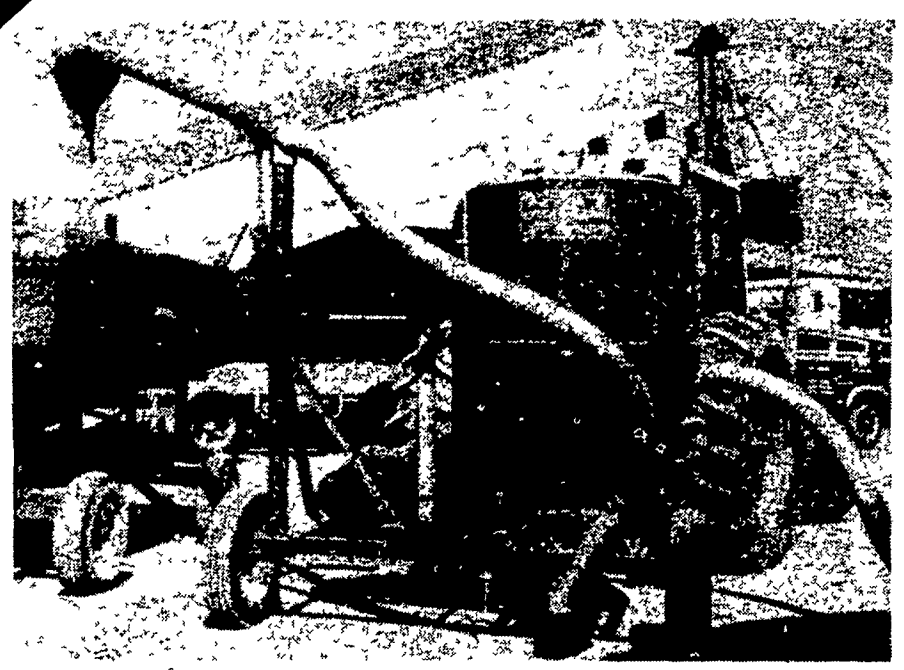

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Livestock market and auction news

Carlisle Auction

Carlisle, Pa.
Tuesday, Nov. 24
Report supplied by auction

CATTLE: STEERS: Good 57.50-59.00; Standard 46.25-55.00. HEIFERS: Good 51.75-56.75; Standard 45.25-48.00; Utility 41.00. COWS: Utility & Commercial 39.75-42.75; Cutter 36.50-40.00; Canner & Low Cutter 33.00-36.00. BULLOCKS: Good 45.25-48.00.

FEEDER STEERS: 57.00-65.00.

CATTLE HEIFERS: 50.00-53.00.

BULLS: 48.00-67.00.

CALVES: VEALERS: Choice 94.00-106.00; Good 75.00-95.00; Standard & Good 60.00-80.00; Standard & Good 55.00-70.00.

HOGS: Barrows & Gilts US No. 1-2 44.75-46.50; US No. 1-3 38.00-44.50; US No. 2-3 35.00-39.00. SOWS: US No. 1-3 40.00-42.50; No. 2-3 36.00-40.00; Boars 33.50-34.25.

FEEDER PIGS: US No. 1-3 16.00-25.00; No. 1-3 28.00-32.00.

SHEEP: LAMBS: Good 35.00-43.00.

Indiana Auction

Homer City, PA
Thursday, Dec. 3
Report supplied by PDA

CATTLE: 114. Compared with last week's market: Sl. steers: few Good & low Choice 53.75-58.75; Standard 45.25-51.25; Sl. heifers: couple Good 47.50-48.25; few Standard 39.00-43.50; few Utility 34.00-39.00; Sl. cows: Utility & Commercial 37.50-42.00, one at 43.25; Cutters 35.00-38.00; Canner & L. Cutter 27.25-35.50; Shells down to 22.50. Sl. bulls: few Yield Grade No. 1, 955-1905 lbs. 47.50-50.75.

FEEDER CATTLE: Steers, Medium Frame No. 1, 410-580 lbs. 50.25-52.50. Heifers, few Medium Frame No. 1, 320-510 lbs. 41.75-45.00; Bulls, few Medium Frame No. 1, 530-750 lbs. 41.25-44.25.

CALVES: 171. Choice 78.00-89.00; Good 66.00-78.00; Standard 50.00-64.00; Standard & Good 110-125 lbs. 58.00-68.00; 90-110 lbs. 42.00-58.00; 65-85 lbs. 30.00-44.00; Utility 50-90 lbs. 20.00-30.00.

FARM CALVES: Hol. Bulls 95-130 lbs. 55.00-80.00; Hol. Heifers 90-135 lbs. 60.00-94.00; Beef cross Bulls & Heifers 70-110 lbs. 53.00-70.00.

HOGS: 63. few US No. 1-2 210-240 lbs. 44.25-45.00; No. 1-3 200-245 lbs. 42.50-43.00; few No. 2-3 220-265 lbs. 41.50-42.25; one lot No. 1-3 178 lbs. at 37.75; Sows few US No. 1-3 330-520 lbs. 39.50-42.00; one No. 2-3 725 lbs at 37.00. Couple Boars 31.75 & 35.00.

FEEDER PIGS: 11. One lot US No. 1-3 25 lbs. at 12.50 per head.

SHEEP: 8. One lot Choice 92 lbs. at 56.00.

Is backflushing for everybody?

By Robert R. Peters
Assistant Professor
Department of Dairy Science
University of Md.

COLLEGE PARK, Md. — Dairy farmers are well aware of the fact that mastitis can not be eradicated. Thus, we are left with the option of controlling the spread of the disease.

Two recommendations that have long been made to help prevent bacterial transfer from infected to non-infected cows at milking are: segregate infected and non-infected cows and milk the infected cows last; and sanitize the teat cups and liners between cows. Neither of these practices have been adopted to any extent by dairymen.

More recently some milking equipment companies have introduced an automated system of sanitizing milking units between cows. This is accomplished by moving water, sanitizer and air backwards through the milking unit to flush the hose, claw and liners. Thus, the term "backflushing" has been coined to describe the automated sanitizing operation.

Backflush systems generally have several steps in each cycle:

- Prerinse with potable water to flush residual milk out of the unit.
- Flush with sanitizer.
- Short delay period for the sanitizer to kill bacteria on the liners.
- Postrinse with potable water.
- Air, either under pressure of vacuum to dry the liners, claw and hose.

Approximately one to two quarts of water are flushed through each unit per cow per milking. The sanitation cycle from start to finish is about one minute.

It has been demonstrated that automatic backflush systems using 25 parts per million iodine as the flush solution and air drying decrease bacterial population on liners by 99 percent.

This means that the interior of the milking machine will be essentially free of mastitis-causing organisms and hence, the spread of organisms from infected to non-infected cows via the teat cup liners should be prevented.

Yet a study with the appropriate controls which documents that backflushing prevents new udder infections remains to be conducted.

Nevertheless, California extension specialists have observed that backflushing milker units between cows has proven successful in reducing mastitis in large dairy herds with mastitis problems.

The mastitis causing organisms which are reduced or eliminated from the liner surfaces are those shed in milk from infected cows in sufficient numbers to infect other cows. These include the contagious types of organisms-Streptococcus agalactiae, Staphylococcus aureus and mycoplasma. Although mastitis control programs based on teat dipping and dry cow therapy have little effect on mycoplasma and coliform mastitis, such a program is usually highly effective in controlling staphylococcal and streptococcal mastitis.

Since staph and strep mastitis account for 90-95 percent of the mastitis, teat dipping and dry cow therapy remains a logical and economical approach to mastitis control.

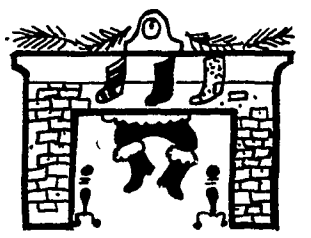
The justification for installing backflush should be based on the severity of the mastitis in the herd, since backflush systems cost $800 to $1,500 per unit.

Severity of mastitis can be measured by the somatic cell count in bulk milk. The most recent information on somatic cells from dairy scientists at VPI indicates a cell count of 50,000 to 100,000 cells per millimeter of optimal for maximum milk production.

Thus, larger herds that have been unable to maintain low somatic cell counts with teat dipping and dry cow therapy may find backflushing an attractive tool for their mastitis control program.

Dairy farmers considering backflush systems should visit dairies that have installed a system and observe its operation during milking to learn more about it. The cost and potential benefits of the system must then be weighed.

As more information becomes available on the efficacy of preventing new infections and when the cost decreases, producers will probably accept automatic backflushing to a much greater extent than the older recommendations of segragating cows and manually sanitizing units.



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Without irrigation

Del. dairymen grow 206 bushel no-till corn

By Doris Crowley

NEWARK, Del. — Last summer was another dry year — disastrously so in some areas — but that didn't stop two northern Delaware dairy farmers from producing 206 bushels of corn without irrigation. They did it by switching to no-till and using some top management practices.

Ed Williams and his son Neal farm about 450 acres in the Hockessin - North Star area. Most of the grain they grow goes to feed their 90-cow dairy herd. Last spring they put in about half of their 200-acre corn crop with a new no-till planter. The rest was conventionally planted.

They've experimented before with no-till on a very limited basis — only three or four acres using a borrowed planter. "We liked the results," says Neal, "and decided this was the year to go no-till."

It certainly was. They averaged 205.77 bushels an acre dry land on a 14-acre hillside. The strip—a fertile Chester loam with clay—traditionally yields well. But it's never produced anything like this before. When they realized they had something special, they called in Extension Agent Dean Belt to confirm the yield.

"This is the highest dry land no-till corn yield that the Extension Service has ever measured here in Delaware," says Belt. He knows the father and son team primarily through DHIA — the state Dairy Herd Improvement Association. He didn't work directly with them on their corn production. "But," he says, "They used some darn good techniques we recommend." The corn was planted no-till in soybean stubble after barley — one of the best possible rotations, according to Belt.

The Williams' planted several hybrids. All did better under no-till, but the top yielder was Agway 849X, the same long-season hybrid that gave well over 300 bushels an acre under irrigation the previous year in tests at New Jersey's Agricultural Experiment Station in Rutgers.

The corn was planted May 6 in 36-inch rows at a rate of 24,000 seeds per acre. Final stand was 23,000 plants per acre. "We got good germination because the ground was very loose at planting and there was good penetration," says Ed Williams.

They had a soil pH of seven in the top-yielding field. Potassium and phosphorus levels were both quite high because conventionally tilled soybeans grown there the year before were affected by drought and didn't grow well.

They spread 160 pounds of nitrogen, 80 pounds of phosphorus and 80 pounds of potassium before planting. This was followed with an in-row planter application of 30-40-10. They added another 50 pounds of N with their herbicide treatment (Atrazine and Lasso).

The lower half of the field, where yield was highest, also received some hog manure. Williams doesn't grow hogs himself, but got the manure from a neighbor in exchange for some corn fodder the man needed. There was about a 12-bushel increase where the manure was used.

Ed Williams figures they averaged between 130-140 bushels to the acre in their other fields. The yield is hard to measure since most of these fields are small and scattered, fitted in among the housing developments that have sprung up like mushrooms in the area. Since the corn is used as cattle feed rather than sold as grain, the ears are picked and stored in corn cribs, rather than field-combined.

There were several long, dry spells last summer, but fortunately the Williams' managed to get rain when it was most needed. During those dry spells, the leaves on their no-till corn were the last to curl.

"Where we had no-till into a good cover, I feel we got better yields than from the conventional," says Ed Williams. But he wasn't really surprised that his best field did so well. "I was shooting for 200 bushels here, especially since there was carry-over fertility from our poor soybean crop last year."

"We're sold on no-till," he adds, "though we can't go with it 100 percent because we need to plow in the manure from our cows on some of the land. No-till and conventional are both in our future."

Hockessin dairy farmers Ed Williams (left) and son Neal in field of no-till corn that yielded 206 bushels this summer without irrigation.

Moisture-holding mulch from previous crop—in this case soybeans—is one reason no-till corn withstands drought so well.

Hollenshead herd tops Franklin DHIA

BY BETH HEMMINGER
Staff Correspondent

CHAMBERSBURG — Ray and Stewart Hollenshead topped the list of dairymen at the 1981 Franklin County USDA Annual banquet.

The Hollenshead herd of 33 cows were the top producers of milk and butterfat in the county. This group of quality animals produced 22,197 pounds of milk and 823 pounds of fat to capture the awards for the Hollenshead families.

This outstanding Mercersburg herd is also the first herd in Franklin County to average over 800 pounds of fat in one year.

Awards to the Hollenshead family and numerous other county dairymen highlighted the 54th Annual Banquet.

With 194 full-year herds on test. The herds of Robert Harwood, Shippensburg and Asa and Kermit Burkholder, Shippensburg, tied for the first place in the category "Most Improved Herd" in butterfat during the past three years.

Burk-Lea Farms, Chambersburg, topped two records in the county. They won the over 100-cow high herd record, milking 123 cows and producing 19,230 pounds of milk and 689 pounds of fat. High individual cow milk production award also went to the Burk-Lea Farms. Winning the production awards was their #194 cow milking 31,570 pounds, at 3.0 percent and 946 pounds fat.

Fred and Dale Rice's #114 cow topped the list in fat production with a record of 1164 pounds of fat, 21,750 milk at 5.4 percent.

Cows topping the 200,000 pounds of milk in Lifetime Production included J. David and Kathryn Long's grade holstein "Kay." Kay's lifetime totaled 203,134 pounds of milk, 6,886 pounds fat in 11 lactations.

Michael Falanney's cow #261 also topped the 200,000-pound lifetime record with 223,055 pounds of milk, 8,093 pounds fat, in 11 lactations.

With the record number of seven herds producing over 700 fat, Franklin County DHIA presented rosettes to the dairymen. They were: Ray and Stewart Hollenshead; Frank Heberlig; Oakleigh Farms; Kenneth Oliver; Elmer and Frank Ressler; and Robert Harwood.

On October 9, the Franklin County DHIA completed fifty-four years of production testing and during those years has developed a county of quality dairy herds.

In the county's beginning years, from 1928-32, only 443 cows participated in the program. These 443 cows average 7,351 pounds milk and 298 pounds fat.

During 1981, Franklin County DHIA supervisors tested 13,751 cows and these cows produced an average of 15,502 pounds milk and 580 pounds fat.

In fifty-four years Franklin County dairymen doubled their production of milk and fat.

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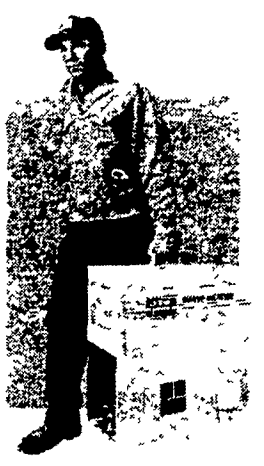

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Shorthorn Show provides "tough" competition

LOUISVILLE, Ky. — The 1981 National Shorthorn Show held here at the North American International Livestock Exposition proved to be one of the toughest competitions in the recent history of the breed. Judging the classes was a three-man composite team consisting of F.A. Heckendorf, Castle Rock, Co.; Robert Taylor, Fort Collins, Co.; and Roger Worthington, Peoria, Il.

Exhibitors from 21 states led 185 head of Shorthorn and Polled Shorthorn cattle into the ring to vie for the coveted national breed honors.

The Supreme Champion of Show and the Grand Champion Female honor went to Carolyn Greeley of Janesville, Ia., and her June '80 red and white heifer, GS Prairie Pearl D 80. This huge, complete, muscular daughter of Deerpark Leader 13th is out of the same female that Miss Greeley's sister, Rosemary, had exhibited to the 1978 National Western championship in Denver.

The Reserve Junior and Reserve Grand Champion Female award went to Francine Johnson, Fredericktown, Oh., on Mill Brook Nita 80 x, an April '80 daughter of the 1978 National Champion bull, Mill Brook Ransom G-Nine 2975. This solid red, polled female is a big, voluminous heifer that has tremendous frame size and broodiness.

In the bull competition, GM Irish Special won the Junior Champion and Grand Champion honor for Hagerlan Farm, Stanley Hager & Family, Hodgenville, Ky.; and for Sutherland Farms, Prospect, Ky. This April '80 early spring yearling weighed 1,668 pounds and posted a WDA of 2.86 pounds. His sire, Lazy D Irish Jack, was last year's National Champion bull in Denver. "Special", a solid red, tall, long-made bull, is the first son of that 1980 national winner.

The R. Lee Johnsons of Fredericktown, Oh., entered the winners' circle for the second time with their two-year-old bull entry, Mill Brook Grand Ransom 62. The April '79 son of Mill Brook Ransom G-Nine 2975 was named the Senior Champion and the Reserve Grand Champion bull. He weighed 2,220 pounds with a lifetime WDA of 2.33 pounds. He had been the Junior Champion bull at last year's national show as a yearling.

Other bull champions included: Reserve Senior Chamion bull - R. Lee Johnson Family on MB Grand Ransom 539; weight, 2,005 pounds; WDA, 2.32 pounds. Reserve Junior Champion bull - Carl Jordan & Family, Rensselaer, In., on Waukaru Cinnsation; weight, 1,835 pounds; WDA 2.78 pounds. Calf Champion bull - Edgar and John Wise, Bethany, Il., on Wise's Hercules; weight, 1,164 pounds; WDA, 3.14 pounds. Reserve Calf Champion - Geoffrey A. Connell, Stillman Valley, Il., on CSF Moving Up 80; weight, 1,338 pounds; WDA, 3.03 pounds.

Other female champions included: Calf Champion female - Joseph Gilbraith & Sons, Atkinson, Il.; and Darrel Steck & Sons, Wataga, Il., on Spruce Hill Princess. Reserve Calf Champion female - Sarah Schilling, Lake Fork, Il., on Green Ridge Miss Louise J2.

Class placings included:

Junior Heifer Calves 1 Darren F Dohme Broadlands, Il , 2 Rex B Tribbett Linden In 3 Seven T s Shorthorns Yukon Ok

Winter Heifer Calves 1 Joseph Gilbraith & Sons and Darrel Steck & Sons, 2 McKee Family Shorthorns Indianola Ia 3 Alan Shelton Mason City Il

Senior Heifer Calves. 1 Sarah Schilling 2 Lauri Reap Polo, Il , 3 Arrowhead Farm Fulton Mo

Summer Yearling Females 1 Gary and Pam Naylor Buffalo, Mo , 2 Francine Johnson, 3 Waybar Farms Barnard Mo

Late Spring Yearling Females 1 Carolyn Greeley, 2 Alden Farms Hamilton Mo , 3 Alden Farms

Early Spring Yearling Females 1 Francine Johnson 2 John Bott Forreston Il 3 Mike Repp Damar Farms Inc St John Va

Junior Yearling Females 1 Alden Farms 2 Walt Dickson Knoxville Tn and Carl Jordan & Family 3 Gary and Pam Naylor

Group of Two Females 1 Alden Farms 2 R Lee Johnson Family 3 Gary and Pam Naylor

Junior Bull Calves. 1 7M Polled Shorthorns Clarendon Tx 2 Willow Crest Shorthorns, Larry and Karen Reap Polo Il 3 Rex Cates & Family, Modoc In

Winter Bull Calves. 1 Edgar and John Wise 2 Jerry Taylor Prairie City Il 3 Walter J Hoyt & Sons Burns Or

Senior Bull Calves 1 Geoffrey A Connell 2 T H Snethen Sangamon Farms Dewittville N Y 3 Blue Chip Polled Shorthorns Elkhart Il , Tony Sandy and Chad Wieber

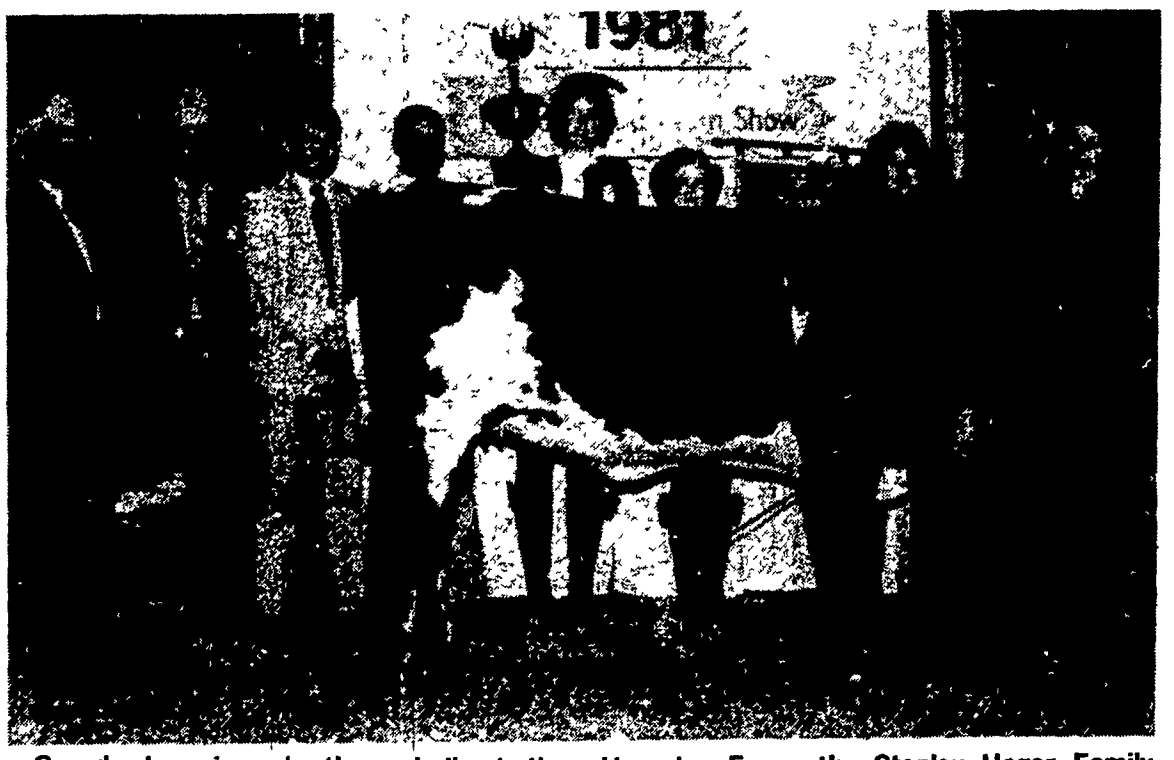
Summer Yearling Bulls 1 Windholme Farm Orange Va 2 Carl Jordan & Family 3 Rex Cates & Family

Late Spring Yearling Bulls 1 Len Ru Farms Leonard Adams Hartley Ia and Deer Trail Ranch Eddie Grathwohl, Powhattan Ks , 2 Carl Jordan & Family 3 Rex Cates & Family

Early Spring Yearling Bulls. 1 Sutherland Farms and Hagerlan Farm, 2 McKee Family Shorthorns, 3 J G, G & P Valley Farms Rickman, Tn

(Turn to Page A18)

Grand champion Shorthorn female and Supreme Champion of the National Shorthorn Show held in Louisville, Ky., was GS Prairie Pearl D80, exhibited by Carolyn Greeley, Janesville, Ia.



Grand champion shorthorn bull at the National Shorthorn Show held in Louisville, Ky., was GM Irish Special, exhibited by Hagerlan Farm, the Stanley Hager Family, Hodgenville, Ky.; and Sutherland Farms, Prospect, Ky.

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LANCASTER — Now that deer hunting season is here once again, Pennsylvania Power & Light Co. offers several precautions that every hunter should heed to insure a safe hunting trip.

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- Never shoot at poles, towers or structures. Bullet or pellet damage to insulators and other electrical equipment could result in severe injuries to the hunter and in service interruptions.
- Never touch fallen wires. Always assume that the wires are electrified. If a person or object is in contact with the wire, don't attempt to touch the person or object.

Coble is Dauphin's Outstanding Conservation Farmer

HARRSIBURG — During the November annual meeting of the Dauphin County Conservation District at Camp Hebron, Halifax Township, six conservation awards were presented by the District's Board of Directors.

County Commissioner Norman P. Hetrick and District Chairman Morris Lebo highlighted many of the county's programs to promote the wise use of Dauphin County's natural resources.

The Conservation District presents these awards to individuals who are outstanding in their approach for proper environmental resource management and utilization.

District Director Jim Landis announced Conewago Township farmer, Dave Coble, was selected as Dauphin County's "Outstanding Conservation Farmer" for 1981. Coble has completed a large amount of conservation work on his farm during the past four years. Included are cropland terraces with tile drainage outlets, strip cropping and grassed waterways. Coble's cropping pattern consists primarily of corn in addition to a small amount of soybeans.

As an active member of his community Coble serves as the chairman of the Conewago Township Planning Commission. He also is a member of the Lower Dauphin Young Farmers Association and the Pennsylvania Farmers Association.

Ron Paul, Code Enforcement Officer for Lower Swatara Township, was honored for his work with surface water management as "Outstanding Municipal Official." Joanne Wood, a teacher at Central Dauphin High School, is this year's "Outstanding Conservation Educator." Her classroom teachings and involvement with the Lower Paxton Township Environmental Advisory Council are helping youth understand the natural world.

Spring Creek Manor in Derry Township was the top choice in Dauphin County for its "Outstanding Soil Erosion Control/Stormwater Management Plan."

Volunteers Ralph and Anna Kinter, "Outstanding Conservationists," were selected for their countless hours spent protecting flora and fauna.

Halifax Township's Harlan Reinfeld, "Outstanding Woodlot Owner," received his award for exceptional forestry techniques on his 180-acre farm.

Urban Director George Moore stated that "conservation isn't just the concern of the professional but also is the concern of the private landowner" and that "we can all contribute in our own way to the betterment of our environment."

Dave Coble, right, from Conewago Township was named "Outstanding Conservation Farmer" by the Dauphin County Conservation District represented by Director Jim Landis.

Six-state no-till meeting coming Jan. 7

NEWARK, Del. — Crop rotation, weed control and soil conservation will be major topics for the 1982 Mid-Atlantic No-Till Conference. The eighth annual farmer educational event is scheduled January 7 in the Exhibition Hall on the Maryland state fairground at Timonium.

Keynote speaker will be Lyle Bauer of Harper, Kansas, president of the National Association of Conservation Districts and a wheat farmer in south central Kansas. His topic will be "Conserving Our Most Valuable Resource."

Other speakers and topics will include:

"Year-round Approach to Weed Control" — Dr. Willis L. McClellan, extension agronomist at Penn. State;

"Value of Rotation in a No-Till Cropping System" – Dr. James R. Miller, agronomy department chairman at the University of Maryland;

"Kinds of Nitrogen and Methods of Application" – panel discussion.

A Maryland extension agricultural agent and three agronomy specialists from Ohio State, Penn State, and the University of Maryland will participate in an afternoon panel session on "The Other Planter in the No-Till Cropping System." This presentation will emphasize drill planting of small grain, forages, and soybeans.

Panel moderator will be Robert D. Raver, an extension agricultural agent in Montgomery county, Md. Other participants will be Donald K. Myers, an Extension agronomist at Ohio State University; Lynn D. Hoffman, agronomy research farm manager at Penn State; and F. Ronald Mulford, manager for the University of Maryland's Poplar Hill agronomy-horticulture research farm near Quantico (Wicomico county).

Tickets for a noon lunch during the meeting must be purchased in advance. They are available from county extension offices in Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia.

More than 1,200 farmers and agribusinessmen from the six-state area are expected to attend, according to V. Allan Bandel, planning committee chairman. Bandel is extension soils specialist and professor of agronomy at the University of Maryland in College Park.

Program chairman is Donald J. Overdorff of Carlisle, Pa., a Penn State extension agricultural agent in Cumberland county. Ticket chairman is David L. Conrad, Prince Georges county extension agricultural agent at Upper Marlboro, Md.

Shorthorn show

(Continued from Page A17)

Junior Yearling Bulls 1 Carl Jordan & Fam'y 2 T H Snethen 3 Tom Scott, JSF Shorthorns Leon, Ia

Senior Yearling Bulls 1 R Lee Johnson Family 2 Walter J Hoyt & Sons 3 Lonny Flack, Nevada Ia

Two Year Old Bulls 1 R Lee Johnson Family 2 Windholme Farm 3 George T Lucas L & L Farms Montevallo Al

Group of Two Bulls 1 R Lee Johnson Family 2 Carl Jordan & Family 3 T H Snethen

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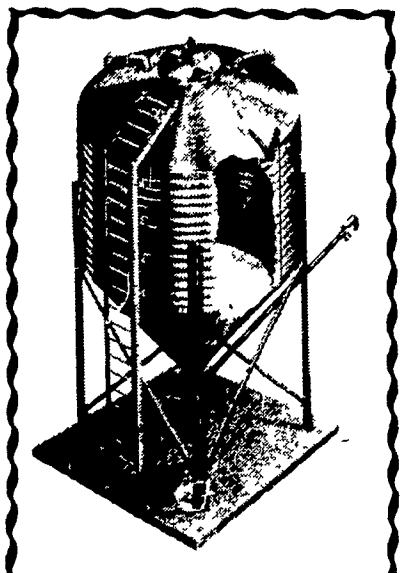

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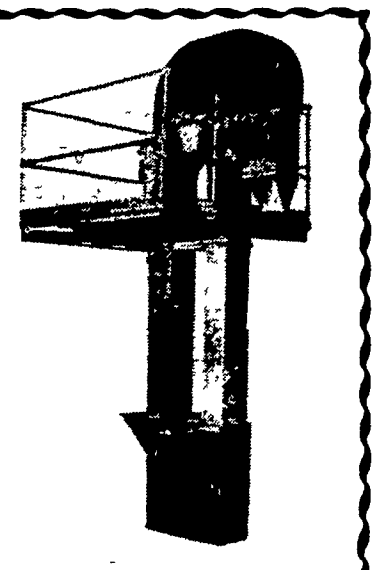

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By John E. Brockett
Farm Management Agent
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Taxes and Records

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Let's look at the use of records for tax savings purposes. Is this topic of interest?

What Records

Let's look at what a good record for tax management includes.

- All of the cash expenses for the business including such items as postage, office supplies, children's wages, business dues and advertisements, public relations costs (example - the fire company), work clothes, and fringe benefits for the hired man. These expenses should be placed into categories so a reasonable estimate of additional expenses could be made. Example: Real estate taxes are paid once or twice per year so the total paid may already be known. Feed bills are paid throughout the year so the final bill will be an estimate
- All cash income for the business divided into the proper categories Regular farm income such as the sale of milk, grain, calves, refunds, etc is one category. Potential long term capital gain items is a second category Items that may be part ordinary income and part long term capital gain is a third.
- Depreciation — a listing of all new items with trade-in property is essential. With that should be the cash difference paid plus the undepreciated balance of trade-in items. The cash difference refers to the amount actually paid or contracted to be paid.

Tax Planning

Farmers can estimate taxes due by using either a ten month or eleven month summary. The balance of the year can then be estimated. From there, a farmer can use several methods to arrive at an estimated tax figure for the year.

The easiest way is to compare the resultant cash income and cash expense figures with those on the 1980 return. Then multiply the 1980 tax from line 37 on form 1040 by the percentage figure the 1981 net cash income is over or under the 1980 net cash income.

Example. Farmer A had a 1980 cash income (Schedule F & 4797) of $70,000 and a 1980 cash expense (Schedule F) of $40,000. His tax on line 37 was $2,500 His 1981 cash income (Schedule F & 4797) was estimated at $100,000 and the 1981 casn expense (Schedule 7) was estimated at $60,000. The difference in net cash income is an increase of 33% for 1981 over 1980 To estimate 1981 tax multiply $2,500 by 133% to get $3,325.

A second way is to actually go through the total tax calculation using a 1980 tax table This way will take three times as long to do as the method above but would result in a more accurate estimated tax.

Once the 1981 estimated tax is calculated, the taxpayer can make a decision as to whether to: continue as he has been doing; take action to defer taxes; or take action to pull taxable income from a future year into the 1981 tax year. Tax management should consider taxes for the future as well as for the present.

Secretary Watt to address convention

PARK RIDGE, Il — United States Secretary of Interior, James Watt, will be a featured speaker at the 63rd annual meeting of the American Farm Bureau Federation in San Diego, California in January.

Robert Delano, president of the federation said Watt will address the Tuesday morning general session January 12, 1982, in San Diego s Sports Arena

Prior to being named to his present post, Watt was president and chief legal officer for the Mountain States Legal Foundation A non-profit public interest law center, the foundation is "dedicated to bringing balance to the courts in defense of individual liberty and private enterprise"

Upon graduation from the University of Wyoming, where he received a Bachelor's degree from the College of Commerce and Industry and his J.D. degree from the College of Law, Watt worked as personal assistant to Milward Simpson in his successful campaign for the U S. Senate in 1962. Then, until 1966, he was the former Wyoming Senator's legislative assistant and counsel

From 1966 to 1969 he served as secretary to the Natural Resources Committee and the Environmental Pollution Advisory Panel of the U S Chamber of Commerce

Watt's service to the department of Interior began in 1969, first as special assistant to the Secretary, then as Deputy Assistant Secretary and from 1972 until 1975 he was director of the Bureau of Outdoor Recreation He then served as commissioner and later vice chairman of the Federal Power Commission until joining the Mountain States Legal Foundation

Also on the program of the Tuesday general session will be Senator Walter Huddleston of Kentucky, ranking minority member of the Senate Agriculture Committee About 8,000 representatives of AFBF's three million member families are expected to attend the January 10 to 14 meeting.

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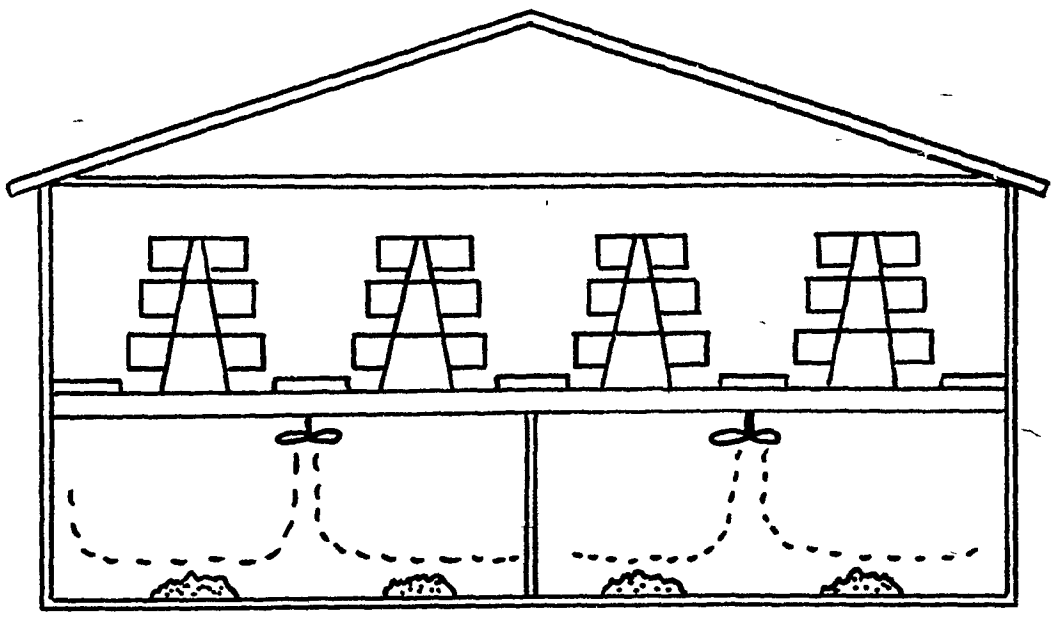

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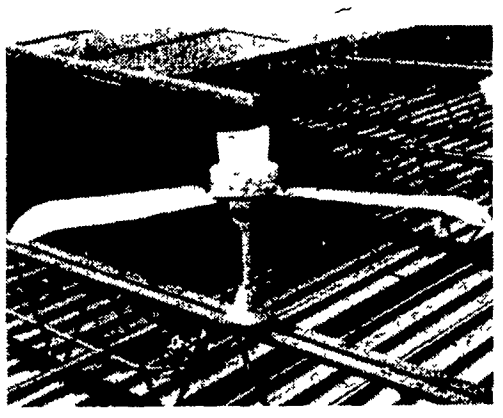

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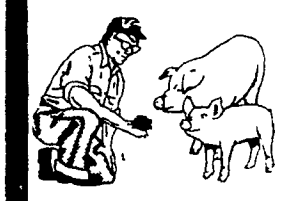

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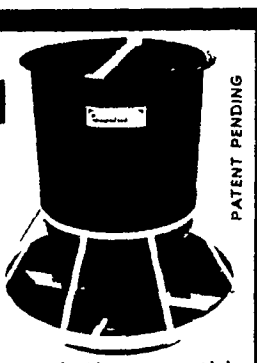

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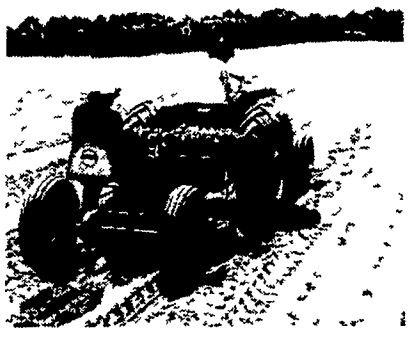

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Lamb producers' futures depend on packers

STATE COLLEGE — The sheep business has become a cottage industry in many respects. "Many people love the business and for those with marketing savvy there is a future," says H. Louis Moore, Penn State Extension agricultural economist.

"Those producers located near a packer interested in lamb are lucky. Others will have to think in terms of direct marketing to consumers. The future certainly depends on how the industry tools up to meet the problems of change," Moore adds.

The sheep industry developed when the United States has large areas of cheap land, cheap grass and cheap labor. The lamb slaughter industry developed as production grew. Beginning in the 1960s cheap land, grass and labor began to disappear. During the past 15 to 20 years inflation has risen to levels making cheap land, labor, and capital a thing of the past.

During the past 20 years, when

(Turn to Page A21)

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Lamb producers

(Continued from Page A20)

analyzing the problems of the lamb industry we often cite the enviable records of the beef and pork industry. Moore says that consumers seemed to prefer beef and pork, modern plants slaughtered beef and pork, retailers have not promoted lamb like beef and pork because it was less profitable than these meats.

"The sheep industry hasn't solved these problems in the past 20 years but has seen the same problems befall other red meats, particularly beef. Perhaps 20 years of inflation has taken its toll as production technologies have not increased at the rate of inflation in production, processing and retailing of red meats.

"The big gainers have been broilers and turkeys," explains Moore. "Broiler consumption moved from 23 pounds per capita in 1960 to 48 pounds in 1980. Turkey is no longer just a holiday meat. Turkey consumption has risen from 6 pounds per year in 1960 to 11 pounds in 1980. So, the sheep industry at all levels has been greatly affected by external developments."

A 1969 survey of lamb slaughter in Pennsylvania revealed many problems relating to supply, religious slaughter, price and attitudes toward imports. Surprisingly the study was ignored by the establishment because many of the packers contacted were considered unimportant, comments Moore. At least one didn't even know about the cooperative lamb pools.

Moore made his remarks before the Eastern Lamb and Wool Marketing Conference, held last month at the Sheraton Penn State Inn, State College Pennsylvania.

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Davis family strives for national dairy ranking

BY DONNA TOMMELLEO

EAST TROY — Guided by a dream for the past decade, Bill and Ginny Davis have toiled long hours to build their registered Red and White Holstein herd from scratch

Reknown British philosopher Disraeli once said, "Life is too short to be little." And with that thougnt in mind, Bill and Ginny have their sites set on being the number one Red and White herd in the nation and they want to reach that honor with just 50 cows

This year, they own the top spot in the state for the Red and Whites Their 66 head finished out at 17,101 pounds of milk and 639 pounds of fat

The couple left their New Jersey roots to begin farming on the 400-acre Bradford County dairy — Matt-Will, named after sons Matt, 10, and William, 14 In the beginning, the barn was nothing more than a few old tie stalls and horse stalls supported by a dirt floor Their first dairy animal was a Jersey calf purchased for their son's 4-H project Once the calf grew into production, the Davises added more calves on her Eventually, after many transactions the herd grew from one Jersey to a Black and White herd And then one day it happened A Red and White calf was born in the Davis herd

Bill and Ginny described the birth as an accident They hadn't selected for the crimson-coated baby born to a black and white dam But they opted to stay with the breed and began gearing their breeding program accordingly once they knew the red factor was in the herd

"We went to red so we could go to a registered herd And it's something different," Bill explained

The orginal Davis Holstein herd was comprised of some grades, the offspring of which would be ineligible for registration. However, the Red and White Dairy Cattle Association renders the third generation of a registered sire eligible for registration. The Davises explained the grading up system is known as "intermediate registration." All the Davis Holsteins — the Red and Whites and the Black and Whites are now registered with both the RWDCA and the Holstein-Friesian Association of America The Black and Whites are registered with the RWDCA, explained Bill, because they all carry the red factor.

Although she may agree with her husband's reasons for breeding the Red and Whites, Ginny noted that life on the color conscious farm offers her a double delight

Calving time is especially exiting Not only do we look forward to the sex of the calf but we look for the color, too," she said

You can imagine her delight three years ago when one of the top cows delivered a healthy set of Red and White heifer twins. Unlike many calves born Red and White, which later change to black in a few months, this pair, sired by Hanover-Hill Triple Threat, stayed red

The Davises are expecting a promising future from the twins, Gracie" and "Ginny." Their dam, "Joyce" passed away recently but not before she finished with 19,997 pounds of milk and a 4.3 butterfat test Matt-Will T.T Gracie-Red Twin is projected at 21,000 pounds of milk "Gracie" was recently listed in the leading Cow Indexes for the Red and White breed from the July 1981 Cow Index Summary, which represented the top 8 percent of all indexes.

While the herd progressed in the early years, Ginny was the full-time farm employee. Bill worked full-time as a machinist until 1978 when he finally came home to stay.

Together the family watched as their herd began to take shape The barn was modernized The Davises added gutter cleaners and a concrete floor. The old horse stalls disappeared and in their place, rows of tie stalls — enough to house the potential nationally ranked Red and Whites.

In 1979, an around-the-barn pipeline was added. The Davises didn't know it then, but for the next 16 months they would fight to keep their heads above water and their herd alive.

Soon after the pipeline was installed Bill and Ginny experienced a dramatic increase in mastitis. Their somatic cell count soared to one million and production sharply fell.

"We knew we had a problem, but we didn't know what it was," Bill said

Their early efforts to rectify the situation were trial and error

Matt-Will T.T. Grace-Red Twin, one of the top indexing cows in the Red and White breed, is surrounded by the William Davis family, who hopes to get "Gracie" and her herdmates to the number one spot in the country. From left the family includes, Bill, Billy, Matt and Ginny.

Bill, 14, left and Matt, 10, flank a set of twins recently born on the Davis farm. Calvings at Matt-Will are always a double treat as the family waits first to see the color and next to see the sex of the calf. However, in this case, the calf on the left is a red and White bull, the calf on the right, unfortunately, is a black and white heifer.

Enlisting the advice of veterinarians and extension specialists, the Davises checked the water supply.

"We even pulled the pump out of the well," explained Bill. The water wasn't the problem so it was back to the drawing board.

Next, they quarter cultured the herd to determine the level of subclinical mastitis That wasn't the problem, either

Filled with frustration and agony the Davises watched as their promising herd slowly slid downhill. Cows, which had been projected at 18,000 or better were now making only 10,000. Their haylage was testing at 22 percent protein and yet production continued to sufter.

Morning milking was a gloomy event because the Davises knew they had to face a host of lopsided udders, infectected quarters and kicking, something which the normally quiet herd had never done before.

"There was no desire to go the barn in the morning," said Bill. Often times, he explained, he would walk down the rows of stalls, armed with a bottle of antibiotic in each pocket

Ginny recalls one paintul morning when she had to treat 24 quarters and was milking only 28 cows

Finally in April 1980, the problem was isolated. The culprit turned out to be stray voltage — an ever-growing problem for the dairy industry as farms continue to grow and mechanize.

Once the problem was controlled, the Davises were left with picking up the pieces

"We're now in the process of trying to figure out what our losses were We're just getting to the point where we're breaking even," noted Bill The family is still culling as a result of the catastrophe

"The only thing that saved us was the heifers," explained Bill. The Davis 1981 herd consisted of 35 percent first-calf heifers.

During the stray voltage problem, Bill said, many cows would dry up at 5 months.

"The potential was there," he added. Once the problem was corrected, the cows responded with a herd increase of 3,000 pounds of milk.

In the Davises' quest for a number one national herd, this Red-and White baby may very well be part of the high producing team.

One of the pieces left to pick up was the countless bills the Davises had incurred during the frustrating 16-month period

"How can you pay your bills on 13,000 pounds of milk when you're feeding for 20,000," recalled Bill.

"We lived a nightmare," Ginny admitted. But the nightmare which threatened to destroy their herd, their dream and at times, their 15-year marriage, was finally over.

Today every sunrise brings promise to the Davis barn. The bulk tank level is gradually on the rise and morning milking is not the dreaded event it once was.

Before the sun peeks over the endless Bradford County mountains, Bill and Ginny are busy in the barn, running eight units on their herd. Their mastits prevention program includes teat dipping and dry cow treatments.

Meanwhile, the feeding system (their son Bill) guides a automatic unloading silage cart down the alley.

The largest part of the herd's diet consists of alfalfa and timothy mixed haylage. The Davises keep abreast of their forage quality and test the haylage everytime they change fields.

To determine this, Bill adds a small grain mixture to each layer of forage in the silo When the Davises begin seeing corn in the haylage, they know it's time to forage test.

The herd receives the haylage morning and evening. At noon, corn silage becomes the main meal. Bill feeds for more than 60 pounds of milk daily and top dresses the rations with a high moisture shelled corn, soybean meal and mineral mixture

While three Davises are busy in the barn, the youngest, Matt, fills pails with milk and water and tends calves in their new hutches, added in March. Eventually, Bill plans to add a tree-stall barn to house heifers and dry cows, which are now kept nearby in a leased barn.

A manure storage system to replace daily hauling is also a future consideration at Matt-Will.

One item Ginny would like to see changed in the future won't occur

(Turn to Page A24)

The great new deal from Leyland Tractors

Have you seen the great new range of agricultural tractors now available from Leyland Tractor dealers? They're quality engineered by a company which manufactures and markets a wide range of agricultural tractors, trucks and buses worldwide.

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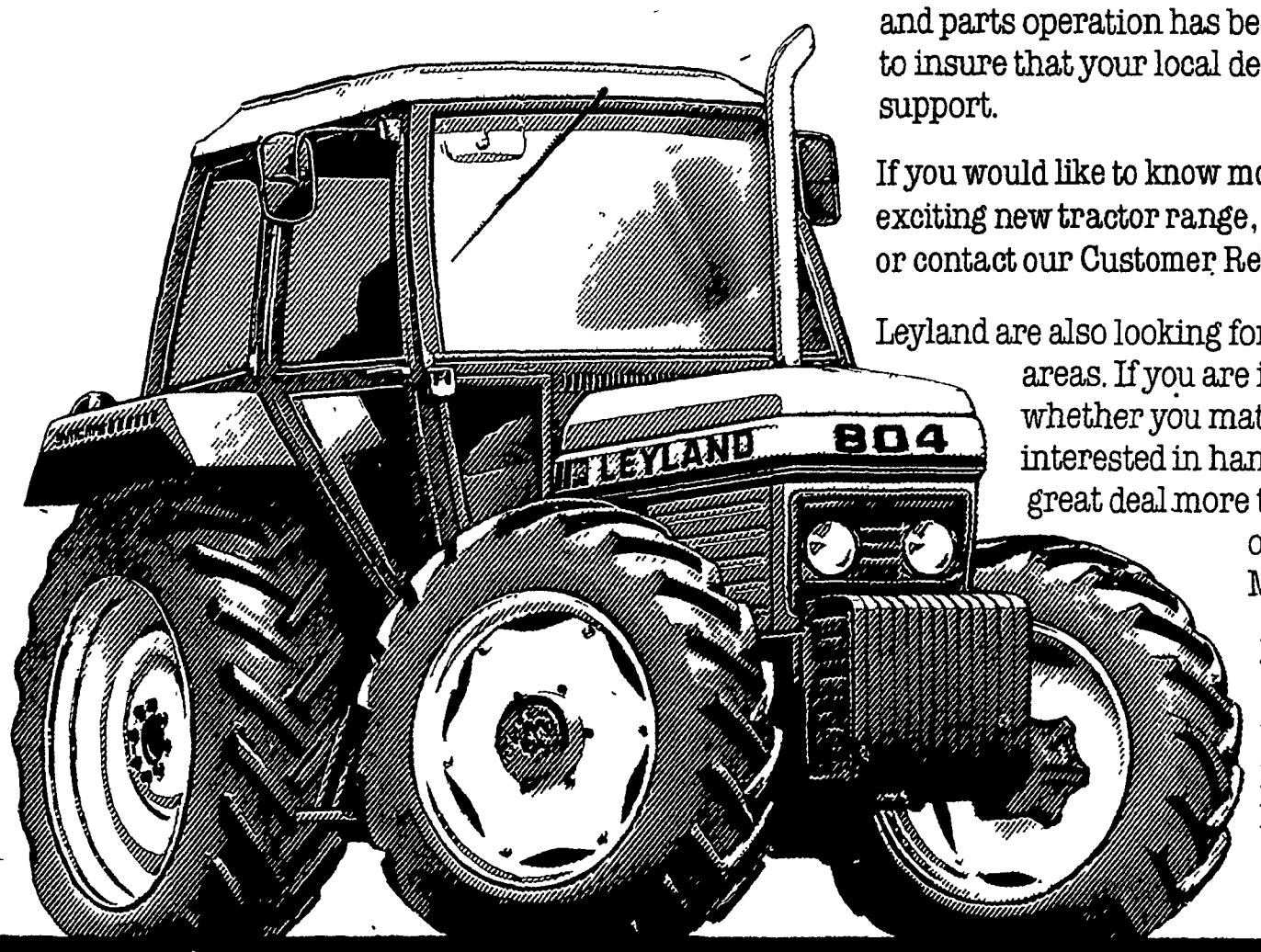

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Honey bee mites might pose potential problem

HARRIBSURG — A total of 5,000 Pennsylvania honeybees will be 'volunteered' participants in the National Honeybee Mite Survey being conducted by the U.S. Department of Agriculture.

According to a Pennsylvania Department of Agriculture spokesman, about a dozen samples containing 50 bees each have already been collected since the survey was announced this past summer. These samples will be sent to the USDA Bee Laboratory in Beltsville, Maryland for diagnosis.

What are these government officials looking for? A pest called the Acarine mite — not a native of the U.S. This mite is an internal parasite that "gets into the breathing tubes of the adult bee and causes mortality," explained the spokesman.

He pointed out that the survey was a precautionary measure being performed throughout the U.S. To date, the mite has not been detected within the nation's boundaries. However with the movement of African bees and illegal importations, the regulatory people feel this mite could pose potential problems for apiarists here.

"It's against the law to import any type of honeybees, so there's no quarantine procedure," noted the PDA official. However, wild bees and illegal imports could bring the parasite across the borders.

"If the mite should be detected, hopefully it will be easily eradicated," said the spokesman. The closest the pest has come to the border has been 200 miles. The microscopic parasite could be catching a ride with possible 'wetback' bees that are moving north in Mexico toward the Texas line.

According to the PDA official, the mite survey is scheduled for completion by early next spring. Progress in collecting the older adult field bees has come to a standstill, now, since the cooler temperatures have signaled the winter dormancy period for the hive inhabitants.

Davis family

(Continued from Page A22)

on the farm, but hopefully, she said, in the show ring.

The hard-working mother is pushing for an all Red and White show, not only at the local level but beyond.

Although many good cows were lost as a result of the stray voltage problem, their offspring remain to carry on the Davis dream. And in their bloodlines course the red factor when matched with bulls like Drake Meadow Van Vliet, the top red bull for milk, may produce the Red and White promises of the future.

A peek into the Davis semen tank would show straws of Ca-Lill Standout Cavalier, Green Banks Diplomat, C Romandale Shalimar Magnet and Duarte-Acres Astronaut Albert to name a few.

But the driving factor behind the Davis dream won't be the bulls, the feed or even the cows. The Davises will be on top because of their perseverance and faith which carried them through one of the bleakest periods of their career. They could have thrown in the towel when it seemed they were about to lose everything.

"I didn't want someone telling me that I gave up," Bill emphasized.

"I don't think anything is more rewarding than farming," smiled Ginny who once saw tragedy unfold in their barn.

Perseverence and faith. Their story is a testimony of many farm families that struggle amid setbacks and reach deep within themselves for qualities that will carry them through and insure the future of American agriculture.

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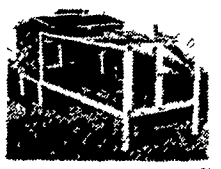

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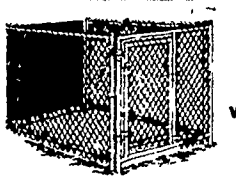

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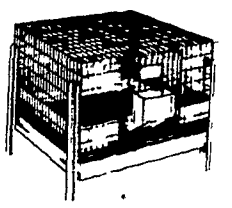

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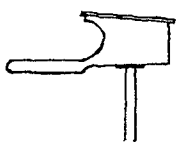

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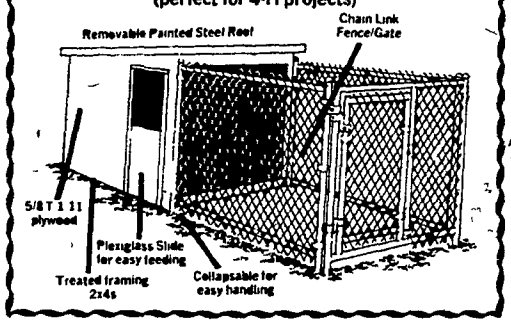
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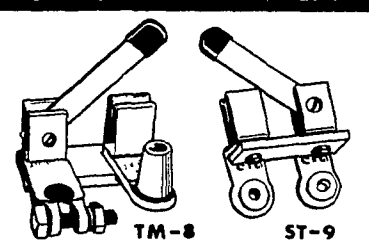

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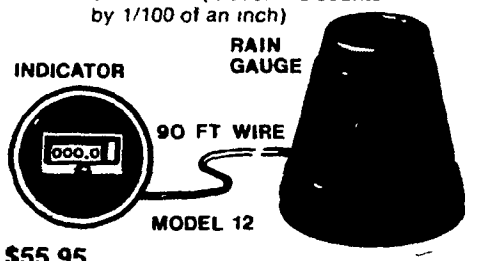

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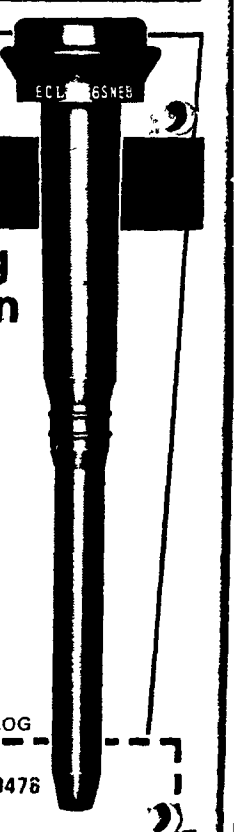

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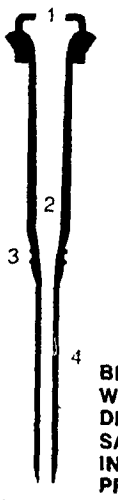

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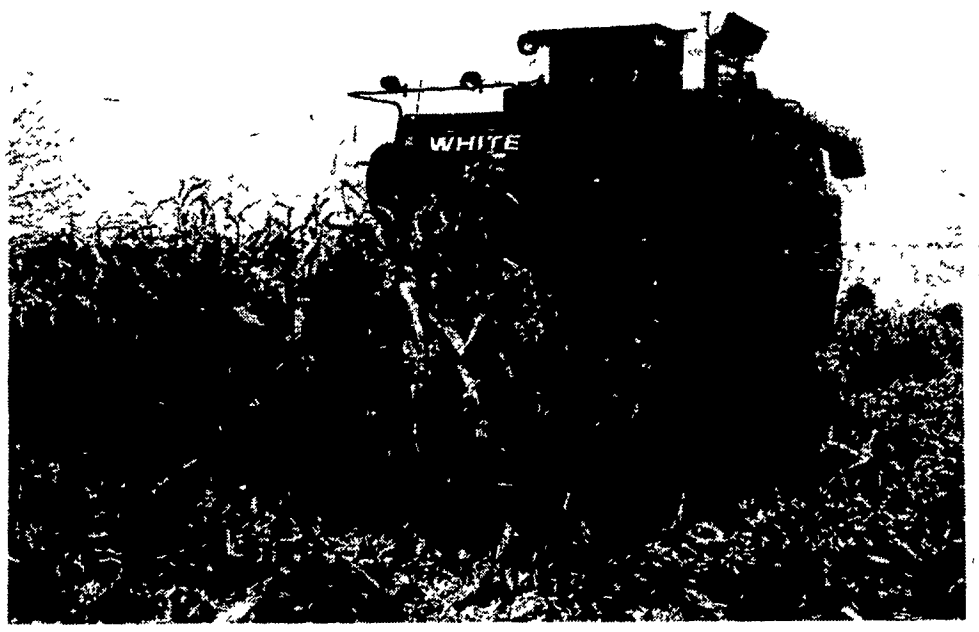

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Farm Talk

Jerry Webb

Looking ahead

Farmers face some interesting times ahead resulting from a variety of pressures and concerns created by the animal rights folks, the environmentalists, the land planners, the policymakers in Washington, and some other people.

It's hard enough trying to earn a living on the farm without some of these other problems. Just the day-to-day struggle with crop and livestock production and marketing and the ever-present cost-price squeeze is enough to wear farmers down. But now they have new concerns — problems they probably hadn't even thought about five years ago.

At the top of the list for those farmers who raise livestock is animal rights — not just animals welfare, but rights. There's a national movement headed by what one observer calls "bleeding heart liberals looking for a cause."

It's bad enough that these animal rights folks don't understand farming, but most of them seen to be vegetarians. They don't eat meat and they seem to want to spread that philosophy — going as far as making little school kids feel bad because they ate Porky Pig for breakfast.

Some of these groups are so off the wall that sensible farmers dismiss them as kooks. But it's not that easy. They're holding meetings, briefings and press conferences. They're talking to lawmakers and bureaucrats.

In this great land of the free and the brave, you can champion just about any cause you want. In this instance, it just happens to be animal rights. And while they're asking farmers to take better care of their animals, I find myself wondering it that's really what they want. If, as reported, they are raising the consciousness of children toward animal rights by asking them how many farm animals have to die so they can eat, then I start to question their motives.

If their cause is to stop the slaughter of farm animals, then why don't they say so and stop masking their thrust with talk about how many square feet of space should be allocated to a laying hen and how a veal calf is fed.

If a bill of animal rights is to include the right to life, then the entire livestock industry is up for question. In fact, the way most of us get our nourishment is suspect.

So the animal rights issue goes way beyond the farm gate and involves a lot more than just farmers. Any of us who eat meat may have a stake in what these folks are able to accomplish. And maybe we should smoke out in the early stage the animal rightists' agenda.

I have no quarrel with a fellow who prefers granola to beef steak. But when he starts boring me with how unhealthy my meal is, I start to get irritated.

There's no question that livestock producers need to head off potential problems. It would be far better for commodity groups to establish codes of ethics for themselves instead of allowing it to be done for them by the uninformed or by those advocating the right to life for farm animals.

A pretty good argument can be made against some of the animal rights advocates based on misinformation or lack of information. It's pretty hard to ask a chicken how it feels about confinement rearing, least-cost meals, or the rough hands of the catcher. And we're not real sure how they feel about their purpose in life — to grow and get fat and then become someone's dinner.

But as long as man has dominion over animals and until there is strong reason to the contrary, I can't see serious change in the livestock industry or in consumer's eating habits.

Expect to hear a lot of talk about animal rights over the next few months and hope that those doing the talking understand agriculture and the purpose of livestock production, and aren't in fact out to turns us all into vegetarians.

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Deer don't have to 'ride' on hoods

HARRISBURG — Lawfully harvested deer do not have to be displayed on vehicles while being transported, according to the Game Commission. It is only required that they be properly tagged.

Actually, the table quality of venison suffers when it is exposed to elements such as snow and wind, road dust and grime, fumes, and engine heat.

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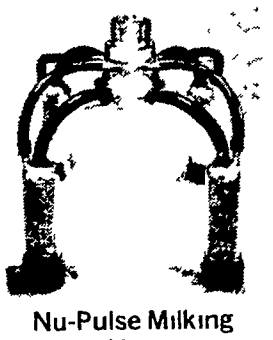

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Elco Young Farmers honor top producers

BY SHEILA MILLER

STOUCHSBURG — A crowd of close to 150 people crowded into the 7th Annual Banquet of the Elco Young Adult Farmers' Association here Thursday evening.

Sonnen Acres, a dairy partnership from R1 Richland milking 89 head of registered and grade Holsteins, was recognized for Outstanding Achievement in Dairy Production. Glenn Sonnen and sons Paul and Malcolm had the first place production awards in three groups: 3-year-old fat, 4-year-old milk, and 4-year-old fat. Malcolm Sonnen was honored individually as Outstanding Young Farmer for 1981 and was recognized for his service to the organization during his term as president for the past two years.

Leon Kline, Newmanstown, left, was honored for his winning entry in the hay quality competition, and Herman Sauter, Myerstown, right, had the first-place entries for corn yield and quality and haylage. Norman Kline, Leon's father, had the winning corn silage entry.

Another dairyman was honored for his Outstanding Achievement in Crop Production at the Thursday evening event. Herman Sauter, Myerstown, turned in the first place samples for corn quality and yield, along with the best haylage sample.

His corn was a long season Pioneer 3184 entry, which he planted on May 10 after conventionally preparing his limestone ground. This is the third year of a three-year rotation for his corn. The field, which didn't require liming, received about 450 pounds of 15-15-15 fertilizer plowed down, with an additional 100 pounds of triple-15 in the row. For weed and insect control, Sauter used a combination of Lasso and atrazine and Dyfonate.

Sauter's haylage sample was straight alfalfa of several varieties.

Leon Kline, of Kline Springs Farm, Newmanstown, had the top entry for hay quality. The sample was a combination of three established alfalfa stands from which four cuttings were taken. This top quality hay helps to feed Kline's 50- head herd of registered Holsteins, and keeps them making records that rank in the top three for milk and fat.

Richard Kreider, right, received the 1981 Honorary Young Farmer award from Advisor Gerald Strickler at the 7th Elco Young Farmers Awards Banquet held Thursday evening. Dairyman Malcolm Sonnen, left, was selected as the 1981 Outstanding Young Farmer.

Leon's father, Norman Kline, R2 Myerstown, also had some winning entries in the October-September Young Farmer contest. Klinedell Farm was recognized for their first place corn silage entry and their herd's production increase of 2,701 pounds.

Bennetch Brothers, R2 Myerstown, had the first-place 2-year-old fat record, along with the top 3-year-old milk record. Willow Maple Farms, Newmanstown, turned in two winning entries — 2 year-old milk and aged cow milk. And the Raymond Getz family took first place in the aged cow fat category.

Swine producer and Pioneer seed corn salesman Richard Kreider, Lebanon, received the 1981 Honorary Young Farmer Award. And Marlin Getz was honored for his past service as the Elco Young Farmers' vice president.

Contest results are:

DAIRY PRODUCTION

2-year-old Milk

1. Willow Maple Farms, 20,281 pounds; 2. Kline Springs Farm, 20,080; 3. Bennetch Bros., 18,042.

2-year-old Fat

1. Bennetch Bros., 739 pounds; 2. Kline Springs Farm, 736; 3. Sonnen Acres, 707.

3-year-old Milk

1. Bennetch Bros., 24,770; 2. Sonnen Acres, 23,687; 3. Raymond Getz Family, 23,335.

3-year-old Fat

1. Sonnen Acres, 927; 2. Kline Springs Farm, 826; 3. Bennetch Bros., 819.

4-year-old Milk

1. Sonnen Acres, 24,433; 2. Klinedell Farms, 24,106; 3. Bennetch Bros., 22,340.

4-year-old Fat

1. Sonnen Acres, 887; 2. Klinedell Farm, 884; 3. Raymond Getz Family, 809.

Aged Cow Milk

1. Willow Maple Farms, 29,108; 2. Bennetch Bros., 27,296; 3. Raymond Getz Family, 27,019.

Aged Cow Fat

1. Raymond Getz Family, 1,040; 2. Klinedell Farm 999; 3. Willow Maple Farms, 992.

CROP PRODUCTION

Corn Silage

1. Klinedell Farm, 21.85 TDN tons/acre (Dry Matter basis); 2. Herman Sauter, 20.38; 3. Kline Springs Farm, 20.17; 4. Roy Miller, 17.51; 5. John Moyer, 14.51.

(Turn to Page A28)

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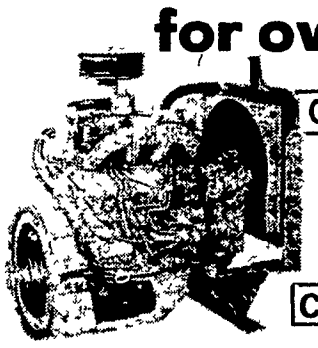

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Pa. sludge is safe for farm 'fertilizer'

UNIVERSITY PARK — With proper precautions, sludge from many Pennsylvania sewage plants can be used to grow corn without harming the food chain, says Dale E. Baker, soil chemist at Penn State.

Baker bases his comments on several years of field studies applying sludge, plus tests of sludge from 50 sewage treatment plants in industrial areas where toxic levels of heavy metals might occur.

In 37 of the 50 sewage treatment plants, heavy metal contents in sludge were low enough to avoid harmful effects on the food chain, he affirmed.

Certain municipalities and sewage haulers in Pennsylvania have permits from the Department of Environmental Resources for land application of sludge. Officials and haulers are required to test the sludge composition periodically to determine levels of plant nutrients and trace metals. In addition, records must be kept of spreading locations and rates of sludge applied.

"We recommend that sludge should be analyzed more than once a year, preferably every three months," Baker stated. "Above all, the soil receiving sludge should be tested at least once yearly for cadmium and other metals including copper, chromium, lead, nickel, and zinc."

Until chemical analysis proves otherwise, it is advisable to think of sewage sludge as potentially harmful when applied to land over a few years, he added.

He described cadmium as the most harmful trace element in sewage sludge. Cadmium is not needed for growth of plants and animals, including humans. In general, however, sewage sludge contains abundant amounts of organic matter and elements essential for plant growth such as nitrogen, phosphorus, zinc, and copper.

Corn grain in the experiments did not accumulate large quantities of cadmium. Crops such as wheat and potatoes, however, built up cadmium more rapidly than corn grain to potentially harmful levels. Thus, with crops being rotated from field to field, Baker said routine testing of soil and sludge is vital

Recent work at Penn State showed that treatment plant operators with land application permits, and haulers, were not keeping adequate records regarding spreading locations and rates of spreading. Baker said such records are important for an adequate monitoring program to protect land from excessive "loading" with metals.

"In Pennsylvania, sludge and soil testing services are available to allow safe and beneficial use of sludge on cropland," he remarked, and added that "a soil testing program has been developed to determine that soil loading has not reached excessive levels."

Such testing services can be made by commercial laboratories or the Soil and Environmental Chemistry Laboratory at Penn State. County agents with the Extension Service have forms to use in submitting sludge or soil samples for analysis.

Of the 50 sewage plants tested by Baker and associates, 19 had no heavy metal concentrations exceeding safe limits set by the Department of Environmental Resources. Application of sludge on farmlands from these sewage plants would be limited by the nitrogen content of the sludge, as with commercial fertilizer, Baker pointed out.

Ten sewage treatment plants had only one heavy metal exceeding harmful levels. The amount that could be applied to farmland would be based on three factors — the excess amount of that one heavy metal, the nitrogen content in the sludge, and the crop to be grown.

Receiving the dairy production awards for their family farm operations were: from left, Raymond Getz, Myerstown; Norman Kline, R2 Myerstown; Harold Bollinger, Newmanstown; James Bennetch, R2 Myerstown; and Malcolm Sonnen.

I'M NOT LION...

THE CLASSIFIED LIVESTOCK SECTION HAS BEASTLY SELECTIONS!

Elco Y.F.

(Continued from Page A27)

Corn Yield

1. Herman Sauter, 189.38 bu./acre; 2. Willow Maple Farms, 186.58; 3. Roy Miller, 186.52; 4. Paul and Donald Bollinger, 183.14; 5. Roy Weaver, 178.37.

Hay Quality

1. Kline Springs Farm, 19.46 total digestible protein; 2. Raymond Getz Family, 17.95; 3. John Moyer, 17.66; 4. Herman Sauter, 17.22; 5. Sonnen Acres, 16.55.

Haylage

1. Herman Sauter, 15.30 TDP; 2. Willow Maple Farms, 14.76; 3. Malcolm Sonnen, 11.37.

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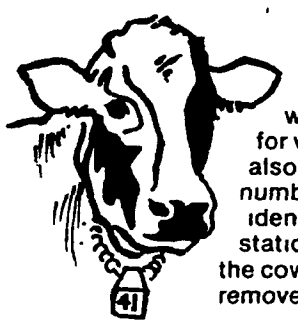
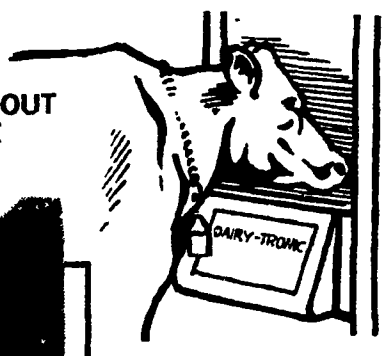


Cow Identification Tag — each cow wears a special tag with her number engraved on it for visual identification. The tag also carries the cow's coded number which is read by the cow identifier at each feeding station Once the tag is placed on the cow, it never has to be removed or changed.



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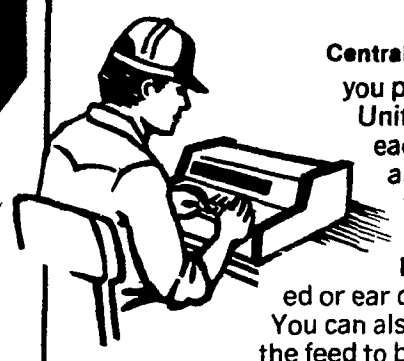

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MILK MARKET NEWS

Federal Order No. 2
New York-New Jersey Marketing Area
October Milk Brings $13.87

Dairy farmers who supplied milk plants regulated under the New York-New Jersey marketing orders during October will be paid on the basis of a uniform price of $13.87 per hundreweight (29.8 cents per quart).

Market Administrator Thomas A. Wilson recently stated that the uniform farm price per hundreweight was $13.83 in September 1981 and $13.57 in October 1980.

The seasonal incentive fund returned a total of $3,848,826.38 or $.447 per hundredweight to the dairy farmer's uniform price for October. This fund was generated by reducing the uniform price paid to producers during the high production spring months.

A total of 17,740 dairy farmers supplied the New York-New Jersey Milk Marketing Area with 861,747,983 pounds of milk during October 1981. This was an increase of 2.6 percent (about 22 million pounds) from last year.

The gross value to dairy farmers for milk deliveries was $122,926,361.97. Wilson explained this included differentials required to be paid to dairy farmers but not voluntary premiums or deductions authorized by the farmer.

Regulated milk dealers utilized 405,042,168 pounds of milk for Class I, 47.0 percent of the total. This milk is used for fluid milk products such as homogenized, flavored, low test and skim milks. For October 1981, handlers paid $14.72 per hundredweight (31.7 cents per quart), for Class I milk compared with $14.11 a year ago.

The balance, 53.0 percent, was used to manufacture Class II products including butter, cheese, ice cream and yogurt. For this milk, handlers paid $12.58 per hundredweight.

The uniform price is based on milk containing 3.5 percent butterfat. For October 1981, a differential of 17.3 cents was applied to the price for each one-tenth of one percent that the milk tested above or below the 3.5 percent standard.

Federal Order No. 4
Middle-Atlantic Marketing Area
October Summary includes $14.01 base price

The October 1981 base milk price for Order No. 4 was $14.01 per hundredweight and the excess milk price was $12.47. The October weighted average price was $14.01 and the butterfat differential for the month was 17.3 cents.

The base milk price was up two cents from September, while the weighted average price increased three cents. The October base milk price was 29 cents higher than last year.

The advertising withholding rate, which is deducted from the base and excess milk prices but not the weighted average price, was 13 cents a hundredweight and the amount withheld totaled $631,615.92. The gross value of producer milk during October was $67.8 million compared to $64.9 million a year ago.

Producer milk receipts totaled 485.9 million pounds during October, a drop of 0.2 percent from September, on a daily basis, but up 11.6 million pounds or 2.4 percent from a year ago.

During the first ten months of this year, producer milk receipts were up 6.3 percent, on a daily basis, or almost 300 million pounds.

Class I producer milk totaled 250.9 million pounds and accounted for 51.64 percent of total receipts. A year ago Class I producer milk totaled 262.3 million pounds and represented 55.31 percent of total milk receipts. Base milk accounted for 91.78 percent of total October production compared to 90.92 percent last year.

There were 7,098 producers supplying pool handlers in October. This was 147 less than in September and a decline of 399 from June. A year ago there were 7,362 producers. The average daily delivery per producer was 2,208 pounds for the month, an increase of 40 pounds from September and 130 pounds or 6.3 percent higher than the October 1980 average. They average butterfat test of producer milk increased fom 3.57 percent in September to 3.72 in October.

Middle Atlantic order pool handlers reported Class I in area milk disposition of 216.9 million pounds during October, a drop of 3.6 percent from a year earlier, after adjustment to eliminate variation due to calendar composition.

State production continues to rise

HARRISBURG — Milk production in Pennsylvania during October 1981 totaled 735 million pounds, up three percent from a year earlier according to the Pennsylvania Crop Reporting Service.

The number of milk cows in the Commonwealth during October averaged 714,000 head, down 4,000 head from a year ago. Milk production per cow averaged 1,030 pounds in October, 40 pounds from a year ago and 70 pounds above October 1979.

United States milk production during October totaled 10.7 billion pounds, three percent above October 1980. Milk production per cow averaged 981 pounds, 18 pounds above last year and 45 pounds more than October 1979. Milk cows on farms averaged 10.9 million head, up one percent from last year.

Pa Quarterly Report
Western PA dairy farmers pay more for production

Although the cost for producing a hundredweight of milk on a state average was $12.84 in September 1981, dairy farmers producing for the Pittsburgh milkshed accounted for $1.01 more in their production cost, with a $13.85 per hundredweight average.

Those farmers producing for the Philadelphia milkshed were on the other end of the spectrum at $12.36 per hundredweight of milk. And northeastern Pa. farmers averaged $13.13 to produce a hundredweight of milk in the New York milkshed.

Milk production in the state during the first nine months of 1981 totaled 6.672 billion pounds, according to a recent report from the state Crop Reporting Service. This production is about five percent more than the same period a year ago and almost ten percent more than in 1979. Average monthly production per cow during the nine month period was 1,044 pounds, up 43 pounds per cow from the same period a year earlier.

Wholesale milk prices reported by dairymen during the first eight months of 1981 averaged $13.70, seven percent higher than 1980.

Final Decision Issued On New England Milk Order

Dairy farmers will be polled through their cooperative associations to determine if they approve of a final decision of the U.S. Department of Agriculture that would amend the New England federal milk marketing order.

Herbert L. Forest, dairy official with USDA's Agricultural Marketing Service in Washington, D.C., said the final decision is based on the record of a public hearing held in Framingham, Mass., on Sept. 9-11, 1980.

The hearing had been requested by the Association of New England Milk Dealers, Green Mountain Cooperative Federation, Inc., and the National Farmers Organization. Others submitting hearing proposals were the Association of Rhode Island Milk Dealers, Moser Farms Dairy, Inc., and the Massachusetts Milk Control Commission.

Forest said the final decision would revise the pricing structure under the order by reflecting increased hauling costs in the location adjustments for determining zone prices at milk plants. Also, the decision would make changes in the classification and pricing of milk moved between plants and in the order's diversion limits.

The final decision is available from: Oscar Zucchi, market administrator, 230 Congress St., Rm 403, Boston Mass.; or Dairy Division, AMS, USDA, Washington, D.C. 20250.

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Recently, Gene Odato wrote to us and asked if we would find out where he could purchase some rubber fingers for a duck plucker.

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1. Martin Roy of Warrenton, VA, writes that Valentine Equiment Co carries 3 sizes of fingers Their address is 7510 S. Madison St., Box 53, Hinsdale, Ill., 60521 Phone number is 312-323-7070 Thanks to Martin Roy, R2, Box 109, Warrenton, Va 22186

2. Clark Derr of Manheim personally delivered to our door this address: North Sports, R2, Box 54, Dept FFG, Heyward, Wis , 54843 Their number is 715-634-8217 and they supply brochures on request. Thanks to Clark Derr of R2, Manheim

3. Mrs. William Schlicher of Zionsville writes that she gets her fingers from Pickwick, 1120 Glass Rd. N.E., Cedar Rapids, Iowa, 52402. Thanks to Mrs. Schlicher, Box 327, R1, Zionsville, PA, 18092

Mr. Caselli of Newfield, N.J., has requested the address for world weather stories. If anybody else is interested, the address is NOAA/USDA Joint Agricultural Weather Facility, USDA South Bldg., Room 5844, Washington, D.C , 20250. Subscriptions to their Weekly Weather and Crop Bulletin, published Tuesdays at noon, cost $13 a year

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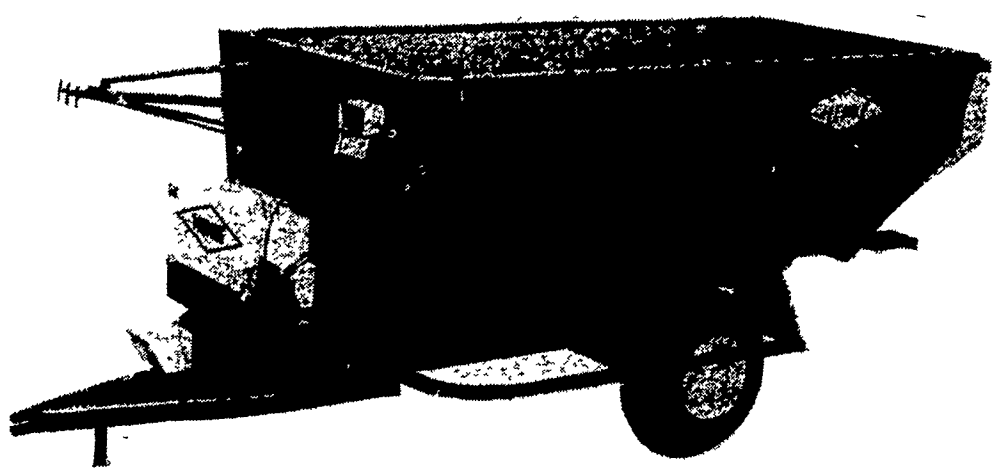

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HFAA classifier explains linear plan

PARKESBURG — Carl W. Reist, classifier for the Holstein-Friesian Association of America will be in the Chester County area to explain the new linear classification system.

Reist will be the main speaker of the Chester County Holstein Club classification barn meeting on Thursday, December 17 at 7:30 p.m. The public is invited to attend the barn meeting which will be held at the Donald Hostetter farm, one mile east of Route 10 on old Route 30.

For more information, contact William Stoltztus, 215-593-6958

Farm Calendar

Saturday, December 5

PA Young Farmers Nat. Institute and Convention

15th National Young Farmer Educational Institute, Hershey, continues thru Dec. 9

Lancaster 4-H Horse Club banquets, Farm and Home Center, 6:30 p.m.

Sunday, December 6

PA Morgan Horse Club Year-End Awards Program, 6:30 p.m., Holiday Inn, Grantville

Monday, December 7

Del. Turfgrass Conference, 8-4, Hercules Country Club, Wilmington, Del.

York Co. Horticulture Club, 7:30 p.m., 4-H Center, election and corn husk crafts

Tuesday, December 8

Adams Co. Beef Producers Assoc. mtg., 7:30 p.m., County Extension Office

York Co. Farm Mgt. meeting, 4-H Center, 9:15-3:30 p.m., continues tomorrow

Cumberland DHIA directors mtg., 8 p.m., Extension office

Wednesday, December 9

Lancaster Conservation District board mtg., 7:30 p.m., Farm and Home Center

Lanc. DHIA luncheon and annual mtg., Good and Plenty Restaurant, 11:30 p.m.

South Central Pork Producers Meeting, Adams Co. Extension Office, 7:30 p.m.

Northeast PA Lamb Pool at Wyalusing Sales Barn, Bradford Co., 9-11 am.m

Berks Mini No-till meeting, Ag Center, 9:30 a.m.-3:30 p.m.

Dairymen Inc., District 14 membership dinner, Harvest Drive Farm Restaurant, Gordonville

Thrusday, December 10

Penn Hort Vegetable Mtg., 9 to 4, Wicomico Civic Center, Salisburg, Md.

Adams Co. DHIA annual mtg., 7 p.m., Hampton Fire Hall

Friday, December 11

Ag Arena Benefit Sale, Farm Show, noon

Saturday, December 12

York Co. 4-H Winter Dance, 7:30-10:30 p.m., 4-H Center

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(Continued from Page A12)

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Without these important elements, many in the industry fear, the climate may be established to foster the abuses which led to the creation of the Federal Grain Inspection Service in 1976.

Our agency will continue to provide these elements while we continue to seek more ways to provide them at the least cost possible. We will be adopting new management tools, better control over costs, refinement of performance standards, improved analysis of grain marketing information and stronger efforts to keep the Congress, the industry and the public better informed of the effectiveness of our operations.

I believe it is in the interest of the grain industry to support our entire program, including research, standardization and special services. If adequate support is not maintained, some lower priority programs may have to be curtailed.

I am confident the Federal Grain Inspection Service will remain the impartial, independent referee in the market place for the grain industry.

Kenneth A. Gilles, Administrator
Federal Grain Inspection Service
U.S. Department of Agriculture

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Beneficial rain falls on many global crop areas

WASHINGTON, D.C. — Needed rain fell on many of the world's crop areas last week while freezing temperatures and snow brought a halt to the harvest in parts of the United States, according to a weekly report issued today by the Joint Agricultural Weather Facility of the U.S. Department of Commerce and Agriculture.

Highlights of the report follow:

—**United States.** Cold air spilled southward across the Great Plains at mid-week, following the season's first major snowstorm. At week's end, snow on the ground halted harvest efforts from Nebraska north to Montana, and east into New England.

Subfreezing temperatures extended to sections of all Gulf Coast states by the weekend. Mostly fair weather aided the harvest in the Southern states.

—**USSR.** Widespread precipitation improved subsoil moisture conditions in the western Ukraine. Modest precipitation fell on northern and central winter wheat areas where cold temperatures have induced dormancy.

Generally dry weather prevailed over the Volga Valley and southeastern areas where winter wheat also has entered dormancy. In western areas near the Caspian Sea, widespread rains have maintained favorable conditions for early wheat growth.

—**Europe.** Dry weather persisted over the southwestern part of the region. Limited topsoil moisture further delayed winter grain sowing in the Iberian Peninsula.

Rainfall in northwestern Europe maintained favorable conditions for the early growth of winter grains. In the northeast, favorable precipitation maintained adequate soil moisture supplies for winter wheat, most of which is now dormant. Below-normal temperatures allowed only limited wheat growth in the southeast.

—**Mexico.** Sunny, mild weather aided thee corn, citrus and sugarcane harvest in the east and development of winter vegetables and wheat along the West Coast.

—**South American.** Argentina's crop areas received mostly light rain, except in Santa Fe, Cordoba and extreme eastern Buenos Aires where heavier rainfall slowed fieldwork early in the week.

Planting of coarse grains, sunflowers and first-crop soybeans was underway in all areas. The first crop comprises about 65 percent of the total soybean crop. Sunflower planting is complete in northern crop areas.

Widespread showers in Brazil provided ample moisture for corn and soybean growth, but interfered with the wheat harvest in Rio Grande do Sul where 95 percent of the harvest usually is completed by the end of November. Corn should be in the tasseling/silking period while soybeans are now in early vegetative growth.

—**Australia.** Locally heavy showers fell over the Northern Territory, Queensland and eastern New South Wales, but mostly dry weather prevailed in southern and western wheat areas.

The rainfall benefited sugar cane along Queensland's east coast and pastures further inland; but the last wheat harvest may have been disrupted. Dry weather in other major wheat-producing states aided early harvest operations as the crop reached maturity in some areas.

—**India.** Mostly dry weather allowed the harvest of groundnuts, autumn rice and winter rice to progress with little delay. The dry weather, however, was unfavorable for emergency and early growth of winter wheat and for cotton which still is in the boll-formation stage.

—**China.** Generally dry weather over winter grain areas north of Yellow River Valley continued to delay winter grains planting. Cold weather is limiting wheat growth and, as the winter pattern continues to set in, the possibility of additional planting is further diminished.

Rain and warmer temperatures permitted normal wheat growth in central winter wheat areas. Drier weather in southern coastal areas benefited the late rice harvest and improved winter grain planting conditions.

—**Southeast Asia.** Post-monsoon showers continued to provide beneficial moisture for crops and reservoirs in Thailand. Irrigation supplies are improved for the second rice crop, although northeastern Thailand was mostly dry. Further south, heavy rain fell along peninsular Thailand, Malaysia, Indonesia and southern Phillippines.

—**Northwestern Africa.** Little precipitation fell on northern coastal areas of Tunisia, Algeria and Morocco. Winter grains planting is underway in Tunisia and eastern Algeria. Persistent dry weather has further delayed planting in Morocco and western Algeria.

—**South Africa.** Beneficial showers in much of the corn-growing region provided need moisture for planting. The rain was extremely helpful in southern and western portions of the corn triangle where very little planting had occurred prior to last week because of dry soil conditions. Additional rain is needed for crop emergence and early growth.

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What You Should Know About Swine Health

by Glenn Shirk
Lancaster Extension Agent

By Glenn Shirk
Lancaster Co. Extension Agent

(Editor's Note This is the first of a series of about ten articles on swine health and management

LANCASTER — Pseudorabies has made the headlines this past year. However, it is only one of several diseases which pork producers need to be concerned about. Good disease control is one way a producer can improve efficiency of production to be in a better position to survive these economic hard times.

The number of farms quarantined for PRV infection reached a height of about 43 in June. This has been reduced to 24, and this is encouraging. Whether the number of quarantined herds continues to decline will depend largely on the determination of everyone affiliated with the swine industry.

As winter approaches, we face a very challenging time. Efforts to control diseases need to be renewed and intensified. As pigs become stressed by all those other diseases, problems and conditions associated with winter confinement, those that are carriers of PRV may suddenly become shedders, and thus affect other animals in the herd.

So, now is the time for everyone to be very observant and cautious, and a time to sharpen their husbandry and management skills. It is a time to be working closely with your veterinarian regarding any herd health concerns.

What is the health status of Pennsylvania pigs? This question is answered by Dr. Lawrence J. Hutchinson, Penn State Extension veterinarian:

There are about 900,000 pigs on Pennsylvania farms and they're a very healthy group of animals. While some pork producers feel that they have more health problems than they should, our Pennsylvania pigs generally have a lower incidence of several important diseases than some of the major swine-producing states.

Here are some swine diseases and the current Pennsylvania situation for each of them.

Brucellosis - Pennsylvania has been declared a swine brucellosis-free state. No cases have been diagnosed in the past 15 months. Seventy Pennsylvania herds have brucellosis-validated status.

Pseudorabies — About 24 herds are currently under quarantine, all in the northern Lancaster County area. This disease is widespread in the midwestern United States. It is also present in New Jersey and in some states to our south. Testing of Pennsylvania hogs shows that other areas of the state are pseudorabies-free. We'll need continued vigilance to prevent the introduction of pseudorabies with importation of feeder or breeder stock from other states.

Swine Tuberculosis - This condition is not a threat to human or animal health, but can result in condemnation or passed-for-cooking status of hogs at slaughter. Some packers have felt that Pennsylvania hogs have a higher incidence of swine TB than out-of-state hogs slaughtered in Pennsylvania.

Haemophilus Pneumonia is a problem of increasing concern to midwest hog producers. Starting in 1980, cases of Haemophilus pneumonia have been seen in Pennsylvania. The incidence is still low, but may be increasing.

Economically important diseases - There are many economically-important diseases that are present in almost every area in which hogs are raised. A few of the most important ones are rhinitis, mycoplasma pneumonia, dysentery and roundworm scarring in feeder pigs; coli scours and TGE in baby pigs; lepto, parvovirus and MMA in sows.

These conditions are present on many Pennsylvania hog farms. Good management is minimizing their effects on many farms. A slaughter-check program is helping to identify the extent of these problems on some Pennsylvania finishing operations. Autopsies, blood testing, and other diagnostic tests help supplement routine veterinary examinations to monitor these diseases.

Buyers of breeding swine, feeder pigs, and market hogs want to buy healthy animals. Pennsylvania pork producers have an enviable record of producing healthy pigs. With top-notch management and continued vigilance, we can do even better.

Hints to help start cold engines

LANCASTER — Farm tractors and trucks start easier these cold mornings if you use a few "tricks," says Donald R. Daum, Extension agricultural engineer.

A battery at 0 degrees F. has only 40 percent of the power it has at 80 degrees F., yet it must do four times as much work. Diesel engines bring added problems over gasoline models because of faster cranking speeds and higher compression, he explains.

The first step in making a farm vehicle "start-worthy" in winter, is a well-tuned engine. This means that the engine has good compression, properly gapped spark plugs, properly spaced breaker points, good condenser and coil, a strong battery, and a high grade winter oil.

Some other cold-weather tips are:

One way to ease starting is to heat the engine with a dipstick or freezeplug insert heater. You may also use heat lamps, heat-bolt heaters, or a cooling system circulation heater to keep the engine warm.

Except for low-wattage dipstick heaters, most devices must have some type of control system.

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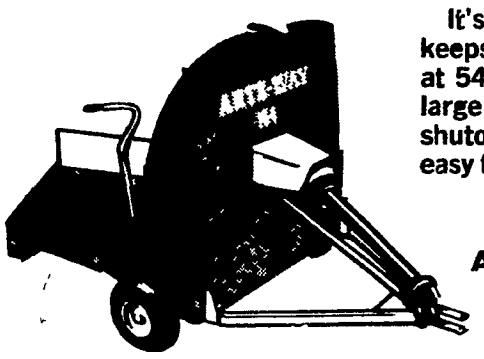

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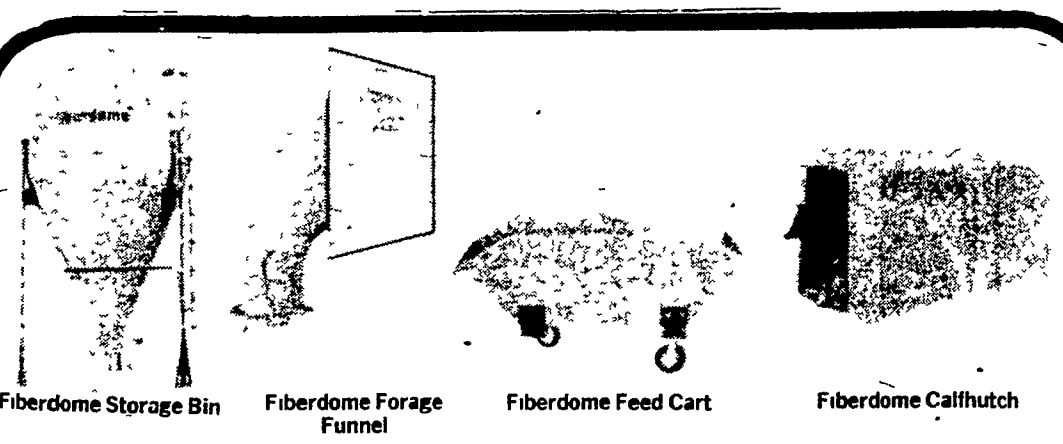

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Spent hen signup tops 7 million

HARRISBURG — The cooperative spent hen signup program being conducted by the Pennsylvania Poultry Federation Egg Council and the Pennsylvania Farmers' Association now tops seven million birds.

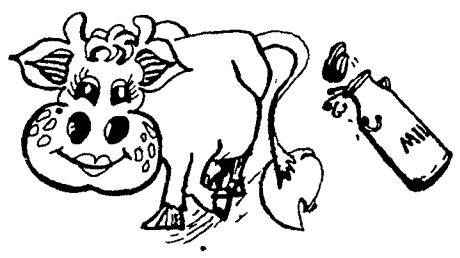
The new total was reported by Joe Buck, of the PFA staff, and John Hoffman, executive secretary of the Poultry Federation.

Coupled with the 2.1 million birds previously in the program, PACMA's spent fowl marketing cooperative now numbers well over nine million of the state's 17 million spent hens.

Under a one-year trial program to attempt to improve the price that egg producers receive for their spent hens, the Poultry Federation has cooperated with PFA to increase the producer signup, particualarly among agribusiness firms involved in the egg producing industry.

The birds are marketed through PACMA's agent, FACTS — Farmers Agricultural Cooperative Trading Society.

FACTS is the marketing affiliate of the Massachusetts Farm Bureau Federation and markets spent hens for producers in Massachusetts, Maine, Rhode Island, Connecticut, New Hampshire, Vermont, New York and New Jersey.



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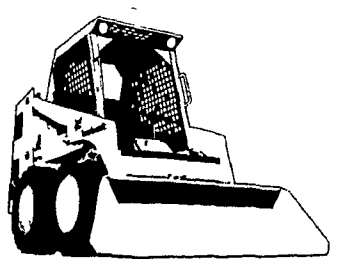

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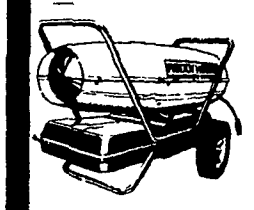

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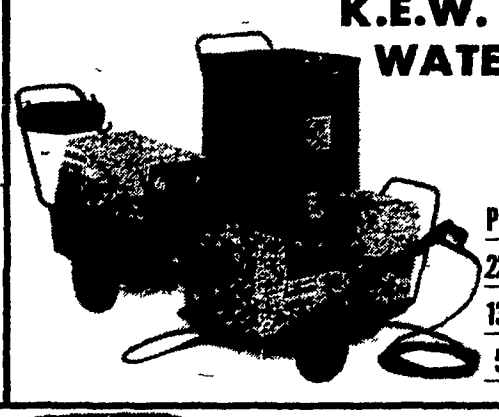

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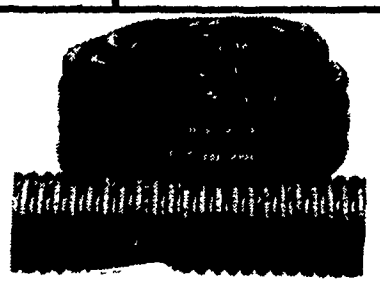

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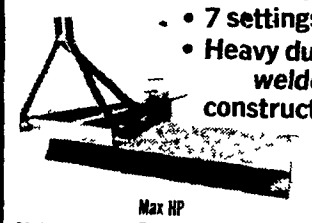

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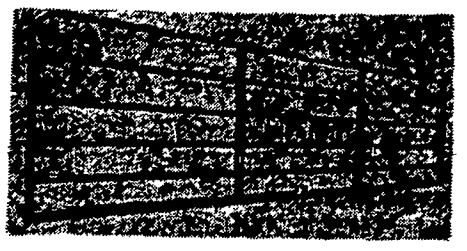

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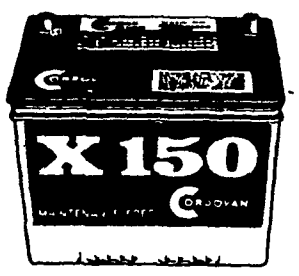

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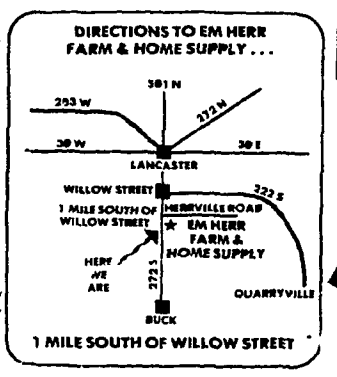

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PMMB may appeal

(Continued from Page A1)

The court also found that the four dealers did not represent an adequate cross-section but rather only 25 percent of the licensed dealers and accounted for 28 percent of the volume of the milk sold in Zone 2.

Judge Craig's spokeswoman explained that the board's use of unit costs is essential in price determination. However, the profit and loss statements of the four dealers did not reflect unit costs, she said.

The court ruled that the board must consider lower costs incurred by processors who manufacture their own containers with in line blow molding equipment.

Upon reviewing Lily Penn's appeal, the court discovered that eight plants in the area had such equipment, but the four dealers did not.

Another significant point in the court's decision was the subject of low fat and skim milk versus whole milk. The lower fat products cost between 30 and 40 cents less to process, yet sell for just pennies less on the shelf.

Judge Craig wrote, "the board abused its discretion in rejecting the only material evidence on the issue of low fat and skim milk."

There has been concern on the farm level as a result of the action.

"I'm concerned the ruling will lower returns to the dairy, itself," said Donald Duncan, president of the Berks County Dairy Farmers Association.

Duncan said he was suprised the action came before his order's (Area 2 Zone 1 — Berks, Lehigh and Northampton Counties), pending hearing next week.

The Area 2 hearing was called by the PMMB to determine what changes may be necessary following a recent area merger which removed Monroe County from Area 2 Zone 1 and placed it in the larger Northeastern-East Central Area merger.

The merger was a result of the PMMB's decision earlier this year to develop a larger cross-section of dealers, handlers and producers for future price hearings.

USDA scientist receives $25,000 research award

WASHINGTON, D.C. — Hamish N. Munro, director of the U.S. Department of Agriculture's Human Nutrition Research Center on Aging, received a new $25,000 award for nutrition reasearch at a recent symposium.

This was the first presentation of an award newly established by Bristol Myers for "Distinguished Nutrition Research."

"Dr. Munro's award is richly deserved because of his significant contribution to the progress that has been achieved in both clinical and basic aspects of human nutritional research," said Secretary of Agriculture John R. Block.

Munro is recognized as an authority on how the body uses amino acids and proteins. He has continued his research while directing the Human Nutrition Research Center on Aging operated by USDA's Agricultural Research Service at Tufts University in the Boston area.

Author of numerous publications, including several books on metabolism, Munro conducted experiments to determine how the body metabolizes protein. In conjunction with Vernon R. Young, he identified methylhistidine, a substance in urine that now is used routinely to determine the rate at which muscle protein is metabolized.

This substance may prove useful in identifying muscular dystrophy as well as studying the response of muscle to starvation and injury.

Munro developed the standard technique for isolating ferritin, the protein shell that stores iron in the body, and a molecular model of how ferritin works in relationship to the amount of iron available. In another research area, he developed the standard method for estimating the amount of RNA and DNA in mammalian tissue.

At the Nutrition Center on Aging, Munro's research focuses on the impact of nutrition on progressive change in tissue composition such as osteoporosis, cardiovascular disease and senility.

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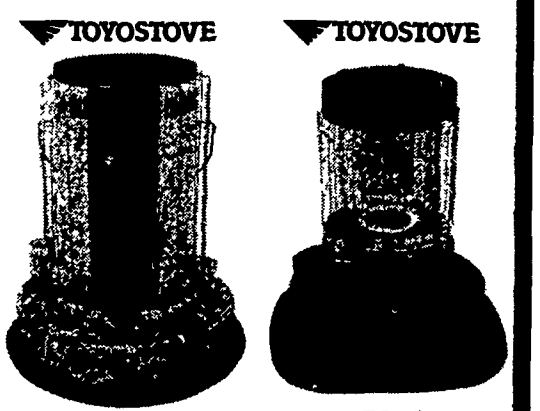

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Farming's Futures

By David K. Sauder
Commodity Advisor
Trade Tech, Lancaster

How and Why Does the Basis Fluctuate?

On any given day, the cash price of grain in Chicago is determined by active competition between large numbers of buyers and sellers. Processors, merchandisers, exporters and retailers are continuously bidding (in cents per bushel under or over the nearby futures price) for grain for immediate delivery.

If the demand for grain is strong and/or the available supply is small, buyers may become eager bidders and elevators (which make money by storing grain) may become reluctant sellers. The resulting strong cash market (often called the "spot" market) may result in high cash prices (relative to futures prices) and a narrowing of the basis.

Example: On a particular day, the March futures price is $2.10; the Chicago cash price is $2.04; and the Localville cash price is $1.80. The Localville basis is thus 30 cents under March. The following day witnesses a sudden surge in demand for grain for immediate delivery and the Chicago cash price rises from 6 cents under the March futures to only 4 cents under the March futures.

If the March futures price has remained at $2.10, the Chicago cash price will be $2.06 and the Localville cash price may increase to $1.82 (a basis of 28 cents). Conversely, if the demand for grain for immediate delivery weakens—such as might be due to a decline in processing or export requirements of a large supply of cash grain seeking a limited supply of available storage space—cash prices in Chicago may fall relative to the futures price. The result: A widening of the basis.

For example, assume the March futures price remains unchanged at $2.10 but a weak cash market causes the Chicago cash price to decline from 6 cents under to 8 cents under. The Localville basis may thus widen from 30 cents to 32 cents, resulting in a decline in price from $1.80 to $1.78.

Local price changes are by no means due to Chicago price changes. A widening of the local basis (and a decline in local prices) may, for example, be triggered by higher transportation costs. Or by a weakening of local and nearby demand for grain. Or by a larger local supply than there is storage available for. Or by a shortage of railroad cars.

By the reverse arithmetic, a local supply short-fall, or strong demand by local buyers for grain to use or accumulate in inventory, or a favorable change in freight rates could result in a narrowing of the basis and higher local prices relative to the futures price.

How important is it to have information about local basis?

For reasons that will soon be seen, it is extremely important. Without a knowledge of the usual basis and basis patterns for your particular community, it is impossible to make fully-informed decisions about, for example, whether to accept or reject a given price; whether and when to store your crop; whether, when and in what delivery month to hedge, when to close (or "lift") a hedge; or when and how to turn an unusual basis situation into a possible profit opportunity.

What records of basis are necessary?

At the very least, it is useful to have a weekly record of cash and futures prices—and the basis difference—during those months in which you normally market your crop. Thus, if you sometimes market corn in December and sometimes not until the following spring or summer, begin keeping price records in December and continue to keep them through July.

Nothing elaborate is necessary. A table created by dividing a sheet of lined notebook paper into vertical columns is satisfactory. Then select a particular day of the week (midweek might be best) and begin keeping a record of the local cash prices, the nearby futures price and the difference (the basis). One such set of records is illustrated here:

Is the local basis the same, or similar, from year to year?

Similar is a more accurate description than same. This is why records of local basis during past years provide a useful starting point in attempting to estimate what the basis may be at various times during the current market year.

Even so, just as the basis can vary from week to week and from month to month—and for much the same reasons—the basis can, and often does, vary from one year to the next. Whenever possible, it can be well worthwhile to attempt to determine the reasons responsible for a change in the basis compared with previous years.

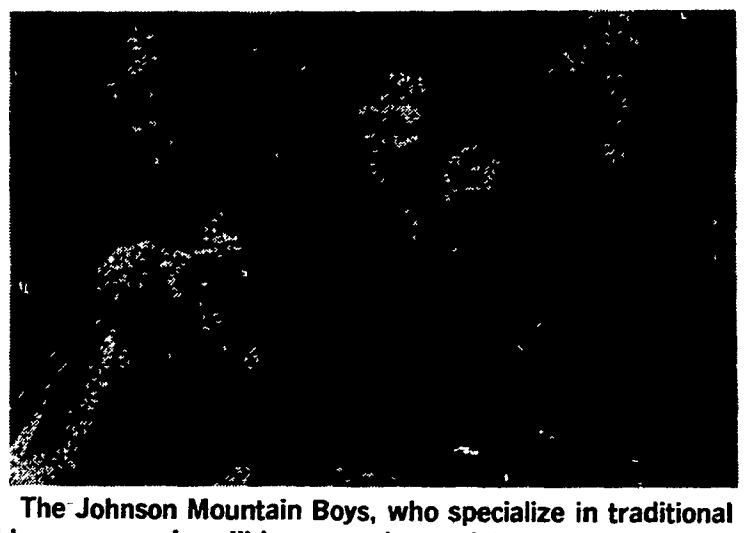
Whether they indicate a permanent shift in the relationship between local and futures prices or merely a temporary price aberration that is likely to be soon corrected can be useful to know in planning your marketing strategy.

A change from the normal basis level might be permanent or semi-permanent if, for example, it was due to a change in local grain demand, such as the opening or closing down of a processing plant in a nearby community. Or the basis and local prices could be affected adversely if the railroad were to suddenly abandon or restrict service in your area, or if freight rates were to be increased.

The basis can also be affected by the size of the crop and the availability of storage space. In years of large crops and storage shortages, the basis is likely to be wider—particularly during the harvest months—than during years of small crops and ample storage.

Such variations notwithstanding, the basis is normally much more predictable than the level of grain prices—a fact which, for reasons soon to be shown, enables hedgers to substitute basis risk for price level risk. Moreover, buyers and sellers who are familiar with the normal basis in their area are often able to earn profits or reduce risks by reacting properly to short-term basis fluctuations.

Send your questions on futures trading to Farming's Futures, Lancaster Farming Newspaper, Box 366, Lititz, PA 17543.



The Johnson Mountain Boys, who specialize in traditional bluegrass music, will be appearing tonight at the Shindig in the Barn at the Guernsey Pavilion, Lincoln Highway East. They will be appearing with the Lewis Family, of Lincolnton, Ga. in the program beginning at 8 p.m. Tickets include $5.00 for adults, $2.50 for children 6 to 12 and children under 6 free.

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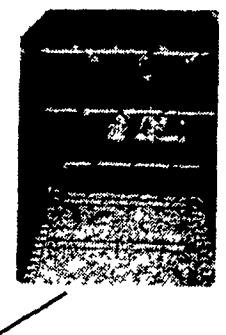

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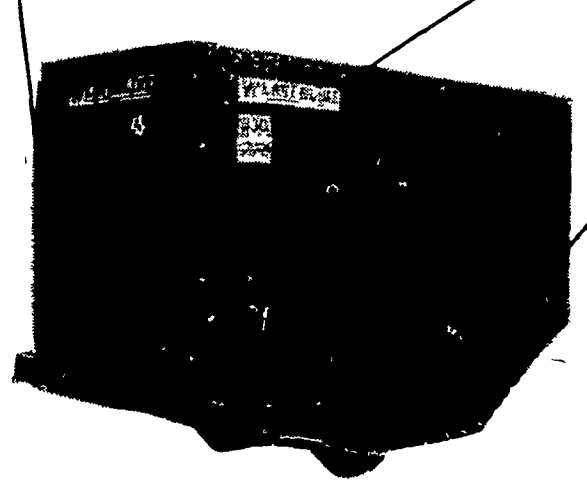

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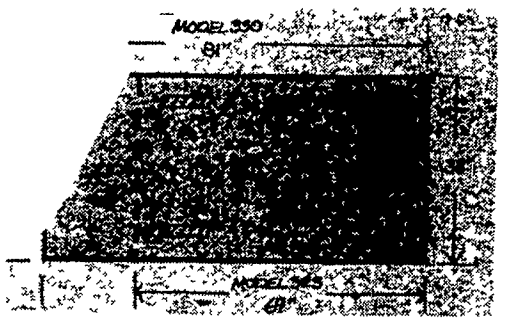

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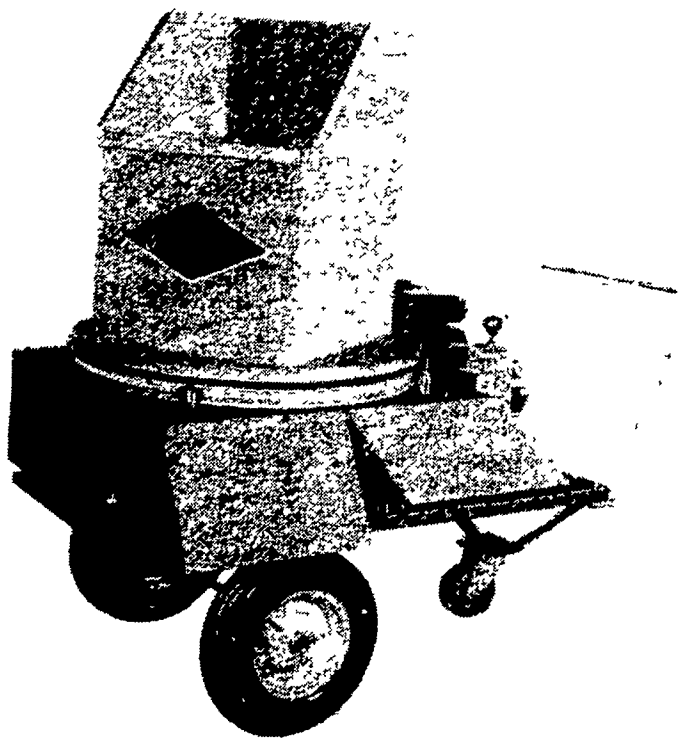

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Internat'l agreement could aid small farmers

COLLEGE PARK, Md. — Administrators at the University of Maryland recently signed an agreement to pave the way for two-way transfers of agricultural knowledge which might prove useful to small farmers both here and abroad.

The agreement was formalized on Nov. 11 with the Asian Vegetable Research and Development Center, headquartered on the island of Taiwan.

During a signing ceremony in his office, John S. Toll, president of the University of Maryland, commented that the memorandum of understanding reestablished a link which previously existed. This connection was established by Robert F. Chandler, Jr., who was instrumental in setting up AVRDC in mid - 1971 and served as its first director.

Upon his retirement in 1975, Chandler was awarded an norary Doctor of Science degree at the University of Maryland. He had earned a Ph.D degree in horticulture at the College Park campus in 1934.

G. Wilbur Selleck, current director of the research center, reported that students from 28 countries have graduated from the institution, and representatives of 11 nations are currently serving on its teaching and research staff.

A five-month vegetable production training program at AVRDC turns out specialists who are responsible for training and supervising extension workers, farm managers and educators in their home countries.

The Maryland agricultural technology which is transferred to the Taiwan center eventually will be exported to large numbers of farmers in developing nations throughout southeast Asia.

University of Maryland representatives met in the president's office recently to witness the signing of an agreement for exporting sweet potato production expertise to the Asian Vegetable Research and Development Center, headquartered on the island of Taiwan. Seated are: left to right, Frank L. Bentz, Jr., vice president for agricultural affairs and legislative relations; G. Wilbur Selleck, director of AVRDC; John S. Toll, president of the University of Maryland, and Larry N. Vanderhoef, provost for the Division of Agricultural and Life Sciences. Standing are: left to right, John C. Bouwkamp, associate professor of horticulture; Mrs. Bouwkamp; Mrs. Verla Selleck; John R. Moore, assistant provost for international programs; Gertrude M. Eaton, coordinator in the office of the vice president for graduate studies and research, and Bernard A. Twigg, horticulture department chairman.

In return, the University of Maryland hopes to gain germplasm for new and improved cultivars of sweet potatoes and other vegetables for planting and breeding programs in Maryland. New management and pest control techniques of special interest to small farmers in Maryland might also be a byproduct of the joint endeavor.

"We at AVRDC are the world's leaders in vegetable production research," Selleck declared. He noted that research and education work at his institution is currently centered on six crops suitable for small farm production — Chinese cabbage, mung beans, soybeans, tomatoes, potatoes and sweet potatoes.

Maryland's primary contribution is expected to be production research with sweet potatoes, coordinated by John C. Bouwkamp, associate professor of horticulture at the College Park campus. Bouwkamp was invited to Taiwan last spring to speak at an international symposium on root crops, and he helped to initiate the agreement which was signed on Nov. 11.

The joint activities will include not only horticulture but agricultural engineering, agronomy, plant pathology, entomology, agricultural economics,

(Turn to Page A39)

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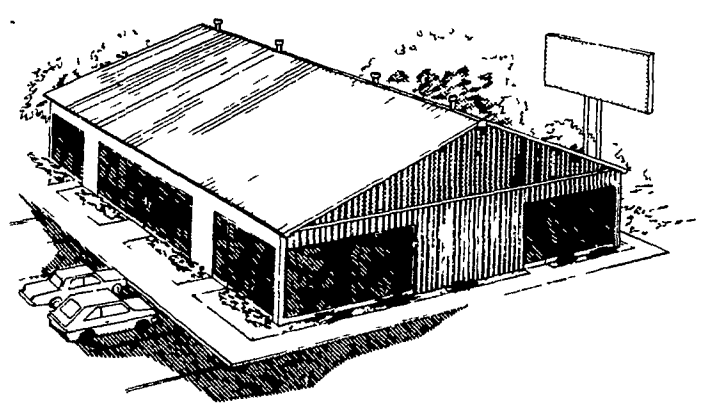

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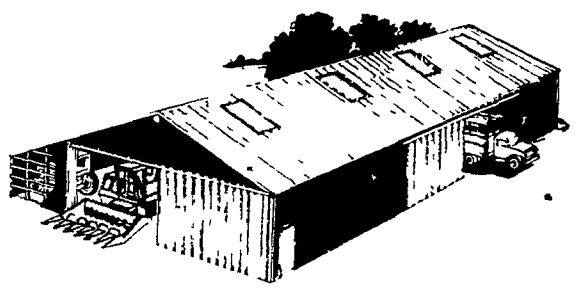

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Greenwood becomes state's 209th FFA chapter

(Continued from Page A1)

enthusiasm. They are willing to tackle anything."

This attitude of enthusiasm and determination apparently has rubbed off on the students from the corps of interested area residents who attended almost every school board meeting for three years to show their support of returning a vo-ag program to the Greenwood High School.

"I was a junior in high school in 1964 when the vo-ag program was dropped," Cauffman recalled.

"I remember how I felt when I realized I couldn't get my Keystone Degree.

"The group of citizens kept pushing during the past three years, but the decision wasn't made to bring the vo-ag program back until last August.

"Well, where are you going to find a teacher at that time?

"But when you work for three years to get it started, you can't let something like not having an ag teacher get in the way."

So, the Penn State grad in dairy production, who also is involved in the family's 700-acre dairy, hog and cash grain operation named Agrophilos, Inc., now finds himself as an ag instructor and FFA advisor for the present school year until a regular teacher can be found for next year.

"I enjoy it a lot," he explains with a sparkle in his eye.

"The only trouble is that I don't have enough time to do everything.

"I feel that there's not enough time to teach in the right way and then there's not enough time for the farming."

But the time was sufficient and appropriate Thursday night in the school district's new elementary school for one of the most impressive and sincere Greenhand initiation ceremonies ever held in the state,

After all, it's not many Greenhands that get inducted into the FFA by just about the entire slate of Pa. FFA Association officers.

Six state FFA officers showed up Thursday night to welcome the Greenwood Greenhands and show their support for their newest constituents.

On hand were Doug Hershberger, Quarryville, president; Glenn Wenger, Myerstown, vice president; Dean Patches, Lebanon, secretary; Kevin Devine, New Holland, treasurer; Andy Rill, regional vice president; and Kent Heffner, Pine Grove, chaplain.

The state officers staged a very impressive ceremony and, by acting out a couple of skits, conveyed the important mnessage to the new Greenhands that "they will only get out of FFA exactly what they put into it."

Although the Greewood Chapter of the FFA and the Greenwood vo-ag program are only a few months old, they already have a lengthy list of initial accomplishments.

Chapter members have sold 400 cases of citris fruit, had competing dairy and livestock judging teams, built a prize-winning Halloween float, converted apples from an abandoned orchard into a profitable cider sale, sent two members each to the recent national convention and leadership training and organized Thursday night's ceremony.

In their beginning courses of study, they're investigating animal science and moving into small engines, welding, electrical wiring, plumbing and hydraulics and, in the spring, plant science, forestry and timbering.

As an example of how all of this is done in so short of time is the comment made during the evening's program concerning the national convention.

Concerning adviser Cauffman, it was said:

"He chaperoned two students to the convention taking time away from being behind the wheel of the combine in the soybeans."

A report on the national convention was given by Myron Byers, chapter president; and David Bratton, chapter treasurer.

The thirty members of the Chapter who were inducted as Greenhands include:

Myron Byers, Mike Sarver, Wade Sarver, David Bratton, Raymond McGowen, Tom Gothel, James Lower, Douglas Bowersox, James Boyer, Mike Buckley, Troy Byers, Ronald Criley, Bill Culwell, Douglas Curl, Laura Donnelly, Royal Donnelly, Troy Earney, Thomas Egenrieder.

Also, Larry Fisher, Donald Kegg, Clifford Mangle, David McCreary, Ralph Pannebaker, David Reisinger, Raymond Sheafter, John Stemler, John Swartz, Tracy Swartz, Randy Tolbert and Russell Ferguson.

Group of Perry County residents who were instrumental in getting a vo-ag program back into Greenwood High School at Millerstown includes, from the left, Lloyd Byers, R1 Liverpool; Raymond Sheaffer, R1 Liverpool; Glenn Cauffman, R1 Millerstown; who is serving as instructor and advisor; Tom Balthaser, R1 Millerstown; and Meryl Brofee, R2 Millerstown.

Returning to Greenwood High School to help observe the resumption of a vo-ag program is Ted Furry, right, who was instructor when the program was dropped in 1964. Furry is now with the Perry County Conservation District. Furry was instructor for Glenn Cauffman, left, who is now serving in that capacity for the program's first year.

Tax bills

(Continued from Page A1)

penalty for working," stated State Grange Master Charles Wismer. "If a farmer doesn't farm the land, there are no taxes to be paid. And, if there are no cows in the barn, there is no business use or occupancy tax."

The Pennsylvania Farmers Association submitted their testimony on Tuesday, also in opposition.

The farm organization cited evidence that farm taxpayers in Pennsylvania pay a proportionally higher share of their personal income in property taxes than most other taxpayers. And, PFA pointed out, the business use or occupancy tas would not solve the problem.

"Some taxpayers subject to business use or occupancy taxation may be able to shift their tax burden to their customer, employees, or owners. The farm producer does not have this option."

PFA also stressed that eliminating the residence from the BUO tax would not lessen the burden since percentage-wise, the home represented a small portion of the farm property's assessed value.

They also pointed out that the proposed legislation would eliminate the school property tax entirely for those districts opting into the program. "This move seems inappropriate," state PFA. "From a school district perspective, greater flexibility and stability in tax revenues would be enhanced by providing for a mix of real property and personal income taxation."

The Pennsylvania School Boards Association has gone on record in agreement with the PFA analysis. They commented that "local needs call for . . . a revised tax structure cannot satisfactorily solve the needs of all school districts."

PSBA also stated that the requirement to make school districts choose between a real estate tax or an income tax, but not a combination of the two, was not satisfactory. "Property taxes should not be eliminated as an option", they said, referring to real estate taxes as a "stable and reliable source of local revenue."

The schools' representative also condemned the BUO tax, citing its inability to generate the necessary income for local school districts. The BUO tax, they said, is "ineffective and inefficient."

Is anyone in favor of SB 1085-1086 as it is presently written? According to Senator Clarence Manbeck, the senior citizens are backing the bill. These elderly taxpayers who own property in Pennsylvania would receive some tax relief with the bill's passage. However, those older people who are renting homes would not benefit.

IF SB 1085-1086 isn't the answer, then what is? To try to find out, PFA funded a Penn State study back in 1974 to determine if increasing state income taxes to finance schools and abolishing real estate taxes for school purposes was a feasible solution.

The study, which was conducted by ag economics professor Theodore R. Alter, revealed that "any shift from taxing property to taxing personal income would affect the tax burdens for four income classes in nonfarm and farm sectors and for all taxpayers."

In looking at the alternative of a combination flat rate state income tax and a local school property tax, the study showed that this would offer a lower tax burden for farm income than the property tax only, but the tax burden would still be higher for farm income than nonfarm."

A flat rate state income tax as a full replacement for school property tax, Alter showed, would offer a significant reduction in tax burden for each income class of taxable farm income.

"Perhaps the most viable option involves some combination of real property taxation and state or local income taxation to finance public schools . . . ensuring maximum local fiscal flexibility for schools and local governments," summarized Alter.

He stressed that when property is owned by absentee landlords not residing in Pennsylvania, the property tax is exported from the state. And that any shift from a property tax to a local or state income tax would eliminate this source of revenue which would increase the tax burden for local taxpayers.

Several amendments added to the bill by the Senate before its passage will be under further study. As written, the bill would permit unlimited levying of income taxes to the extent necessary to repay any lost property taxes. And, the bill states the BUO tax shall cover those using or occupying real property, whether or not for profit. This would ensure that agricultural co-ops would have to pay the tax.

The Pennsylvania Farmers Union, like Governor Richard Thornburgh, is interested in some sort of tax reform. However, they call SB 1085-1086 a "two-sided argument" and have taken no position on the bill.

"We see SB 1085-1086's merits and its disadvantages," said spokeman James Graci. "We have concerns about the BUO tax and the possbility of double taxation for farmers.

"There is a need for property tax reform, but we're still unsure which, if any of the currently proposed bills, would meet our approval."

Rhein buys top Jersey

OLEY — Pine Grove Jersey breeder Craig Rhein paid $1,550 for the high-selling Jersey during the recent Waid Farms Dispersal Sale.

Rhein's purchase, one of 57 animals in the sale, was M.V.F. Finalist Gypsy, sired by Finalist of Marlu.

Lancaster County dairyman, Ivan Zimmerman bought the second high-selling animal. Zimmerman of East Earl paid $1,425 for W.F. Jeweler Cindy, sired by Generators Jeweler.

Third high-selling was Trade Lux Soap purchased by Nancy Seidel of Lenhartsville for $1,350.

Top buyer of the day was Ammon K. Weaver, Jonestown, who bought 13 head for a total of $8,150.

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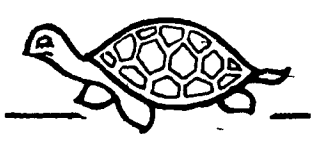

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DPI funds research project

GEORGETOWN, Del — Delmarva Poultry Industry, Inc has recently approved a $6,600 grant to the University of Maryland to help fund a project on broiler breeder research.

The co-investigators of the project are Mary Ann Ottinger, assistant professor of physiology and Joseph H. Soares, Jr., professor of nutrition of Maryland's Department of Poultry Science.

The project involves three experiments, simultaneously executed, which will study the effect of feed intake and social environment on reproduction, behavior and the endrocrine status of the broiler breeder.

Because of the high cost and the long length of time necessary to conduct broiler breeder research studies, there has been relatively little work done in this area. Recognizing this need, DPI first funded a broiler breeder research project with these same Maryland researchers in 1979. This new project is designed to further explore the feed and environmental requirements of breeding stock.

MSD Agvet, a division of Merck & Co. is also participating in the funding of this research.

Small farmers

(Continued from Page A37)

and agricultural and extension education.

AVRDC was established 10 years ago at a meeting of the Asian Development Bank with representatives of the United States, China, Japan, Korea, the Philippines, Tailand and Vietnam. Partial funding is provided by the U.S. Agency for International Development.

During an international consultative group meeting in mid-November 1981 in Washington, D.C., a Japanese delegation strongly urged the World Bank to consider funding the Taiwan research center. The bank already provides funding through a consortium of donors for 13 other international agricultural research centers around the world.

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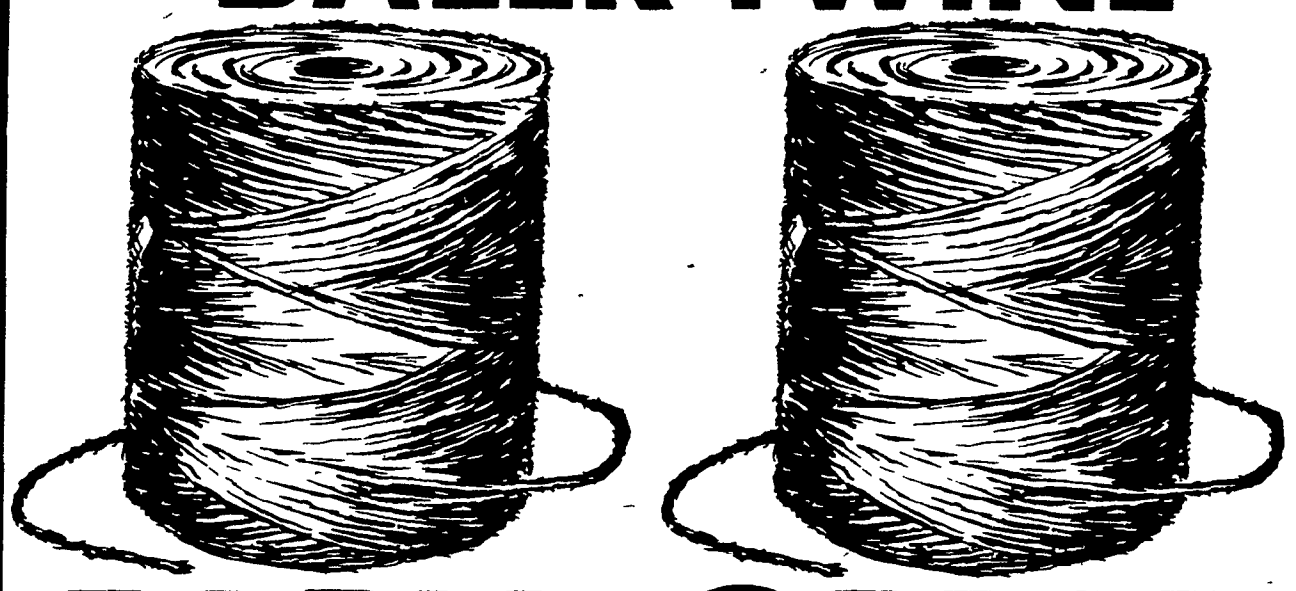

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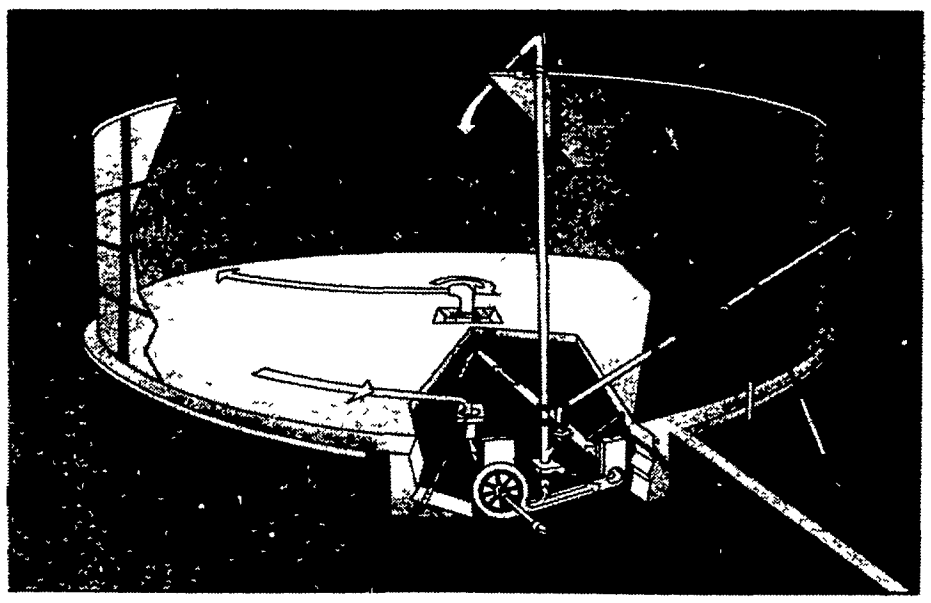

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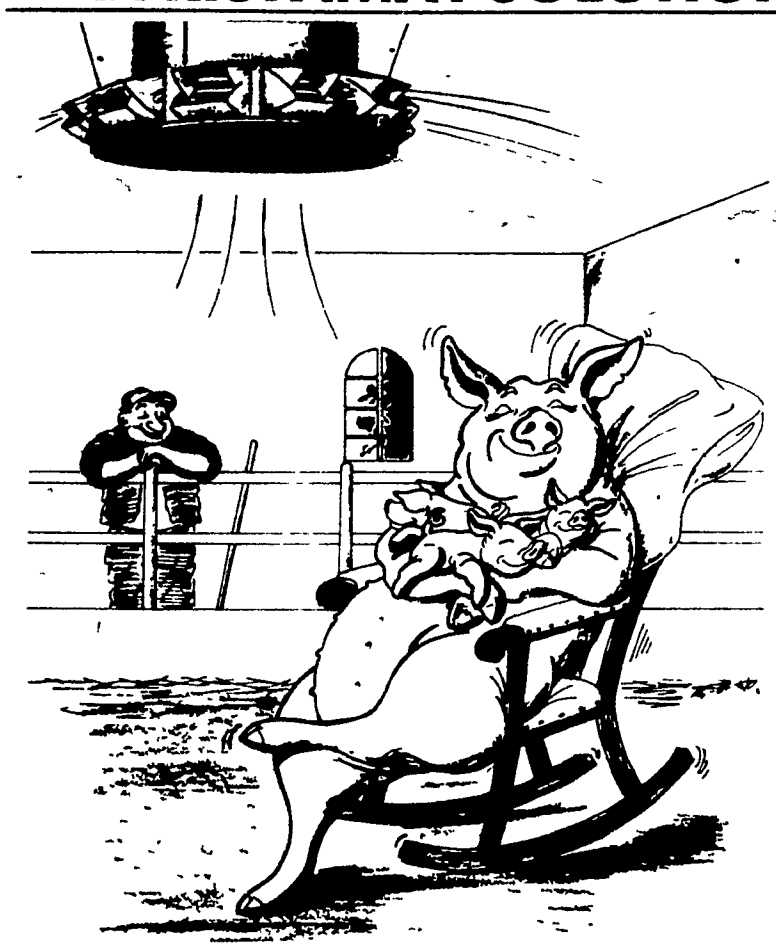

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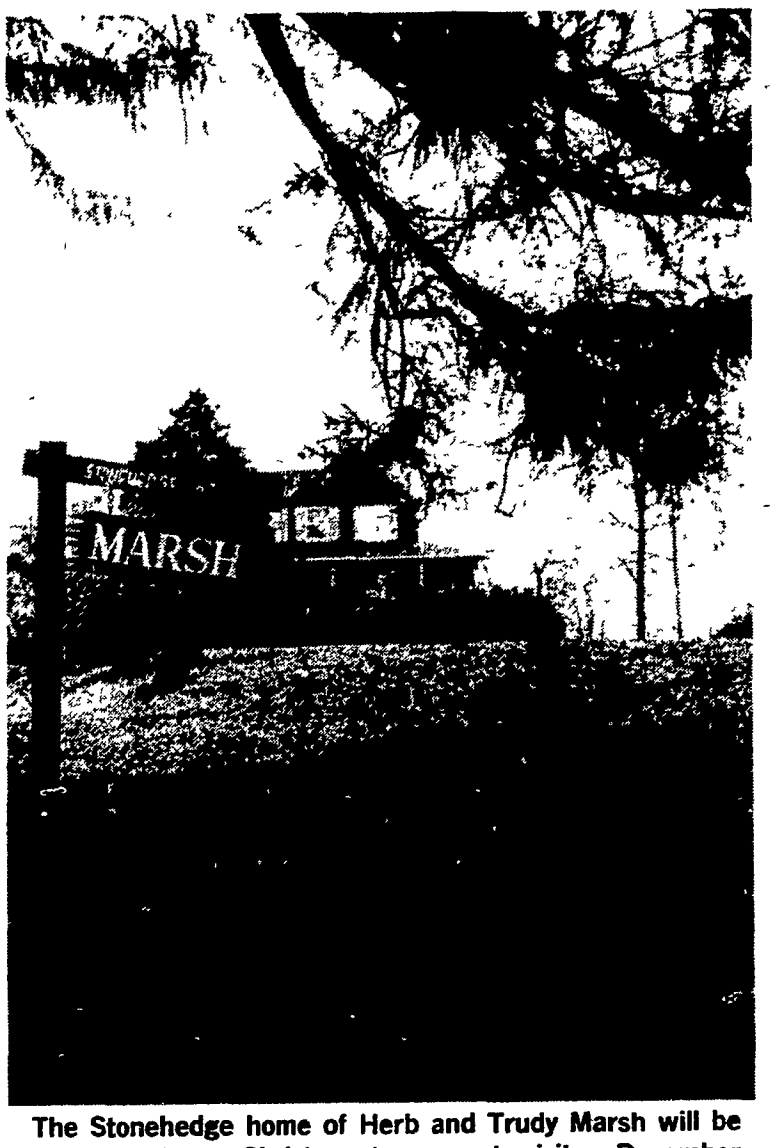
Herb and Trudy Marsh stand at the entrance to their historic brick home in Nottingham. With them is pride and joy, gandson Benjamin.



The Stonehedge home of Herb and Trudy Marsh will be part of a ten-house Christmas tour open to visitors December 12 and 13. The original property deed where the house stands was part of a land grant by William Penn in the 1700s.

Holiday tour features Stonehedge home

BY SUSAN KAUFFMAN
Staff Correspondent

A holiday candlelight tour of ten homes and a church is the main event of a special fund-raising weekend in the Southern Lancaster County area next weekend. December 12 and 13. The homes are scattered throughout the area — from Willow Street to Strasburg to Nottingham — to allow participants of the tour to visit homes both close by and in areas not usually open to public viewing.

All of the homes will be decorated for the holidays. Many were built in the 1800's and have been restored. A number of the homes are situated in the southernmost part of the county. Most of these are open to the public for the first time.

Lancaster Farming visited the home of Mr. and Mrs. Herb Marsh, Nottingham, R2, to talk with them about their early 1800 brick home and the tour.

Trudy Marsh said opening their home for the tour is a new venture for them. Although she and her husband have participated in several such tours as guests visiting others' homes, they never really considered their own home for such an event until the persuasive coordinator for this fund-raising weekend aproached them. The Marshs have graciously consented to invite the public to visit with them next Saturday and Sunday afternoons.

Although the Marshs' address includes a Nottingham post office, they actually live in what is better known as the Kirk's Mill area in the southern edge of Lancaster County several miles west of Nottingham, Chester County.

The Kirk's Mill area abounds in homesteads and a mill which are listed on the National Register of Historic Places. In fact the total community is listed in the Register.

With an extensive file of the historical research findings spread before him on the kitchen table, Herb traced briefly the history of the brick home they have called their home for eight years. The original property deed was part of a land grant by William Penn in the 1700s. Later it was owned by a tanner who built the present house, except for a frame addition added in the 1920's.

The original home was built in a typical L-shape with the kitchen and the servants' quarters on the eastern tip of the L. The main dining and living room on the first floor and master's bedroom suite on the second floor are in the larger part of the house facing west.

Three tanners subsequently owned the property before it was then purchased by a blacksmith. Marsh stopped a moment to comment that now, so many years later, at least part of the history of the homesite is being relived because their son, Chris, does the family's blacksmithing for their hunting and jumping horses. Chris owns a number of antique smithing tools. He holds a dream of one day setting up a blacksmith shop on a much larger scale.

Once a part of a 214-acre land grant in 1737 issued to Henry Reynolds, the property was whittled down after numerous subdivisions to a little over twelve acres twenty years ago. The Marshs moved from Newark eight years ago on the ninth of December. Trudy recalls that moving so close to the holidays was difficult. Herb began commuting to Newark as he has continued to do for these past eight years. His job with Diamond Telephone makes the commuting a necessity. Their real attraction to the old homestead was that it provided a place for horses.

As the house stands now it also includes a frame portion added in 1921 to "square" the once L-shaped house. A bathroom, a bedroom and a downstairs room were incorporated into the addition.

At one time the lane brought visitors to the front of the house facing south. Later a road was built west of the house and a new lane replaced the old, bringing guests to the northeast corner which is the frame section.

At the time when the Marshs moved in, the house included a modern kitchen which had been built by the previous owner to open out a pantry into an eat-in kitchen area. The walls were panelled and a large picture window was added to open a solid east wall.

Herb and Trudy found the original, old exterior shutters in an outside building. Herb said he is no carpenter, but they restored the shutters and painted them a light shade of green before putting them back on the house. The shutters were stenciled with numbers matching the various numbered window sashes so placement was a simple matter of matching numbers. These have been repainted twice since the first re-hanging, the Marshs added.

Putting up rainspouting and repairing wooden porches took care of the major renovations to the exterior of the house. Restoring the inside required patching plaster, painting walls, laying carpets for the downstairs and refinishing wood floors on the second floor.

The family shows evidence of artistic talent from the oil paintings of buildings and outdoor scenes to the tailored drapes designed by Trudy and the decorative valances fashioned by Herb. Add to these eye-catching aspects of paintings and attractive window treatments the pleasing folk art articles of patch work quilts, table covers, embroidery, and wall hangings, and one finds a warm home for family living.

At present the Marshs have a daughter home from Messiah College for the holidays. Patti Jo is a sophomore majoring in art. She is responsible for many of the paintings displayed in the home. Her sister Kathleen and Kathleen's two-year old son are also living with the family while Kathleen's husband is stationed in Okinawa.

Mrs. Marsh said the home will decorated for the holidays with

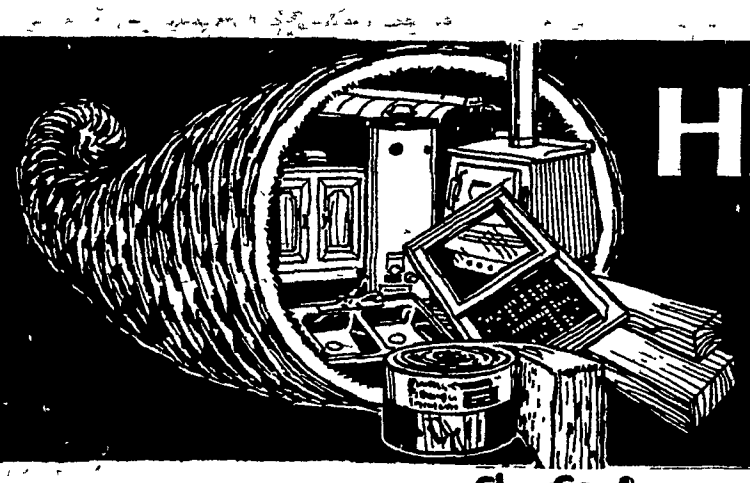
(Turn to Page B4)

This bedroom with high poster single bed and fireplace is that of daughter Patti Jo. The patchwork quilt and refinished random-width floor boards add a feeling of warmth to the room.

Homestead Notes

Herb and Trudy's room, once the servants' quarters, is decorated with rose and blue colors. Trudy made all the drapes and Herb made the valances. The woodwork is a dark blue against a white wall.

One Christmas decoration in the Marsh home is this display of foxhunting memorabilia. It includes a hunter figure and antique copper honor surrounded by greens.



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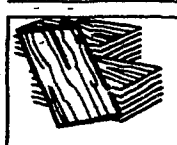

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12'	12.56	15.66	18.02	9.49	13.40	13.96
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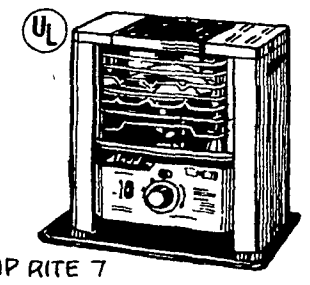

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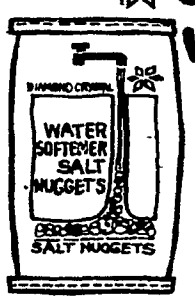

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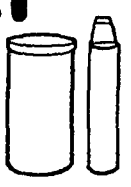

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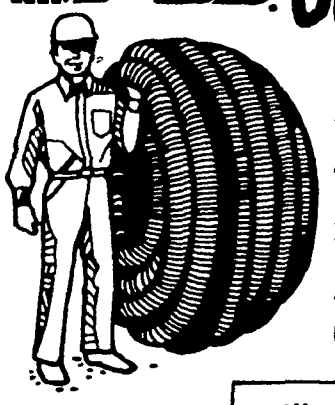

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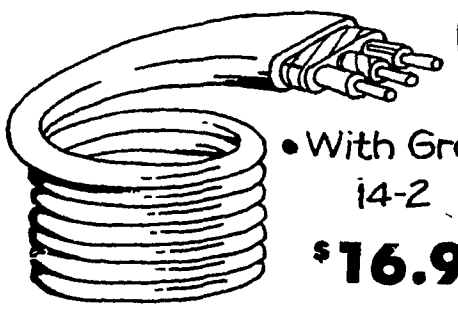

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

GIFTS FROM YOUR KITCHEN

Cook up some Christmas gifts this year. They are perfect for family gifts or for friends who have everything.

For a lasting gift, pack homemade goodies of your favorite recipes in an attractive container that can be used long after the food is gone.

Be sure to add a copy of the recipe on a Christmas greeting or enclosure.

Here are a few kitchen gift suggestions. Make a Christmas fruit bread and decorate it with candied cherries and chopped nuts. Pack the bread in a pan lined with a non-stick finish or on a small bread board.

Bake a variety of your favorite Christmas cookies. Place them in a cookie jar or arrange them attractively on a cookie sheet for a two-in-one gift.

Remember neighbors and friends with a delicious cake for the holidays. Pack the cake in a gaily decorated plastic cake carrier. Or if it is a square or oblong cake, select an aluminum pan with a sliding cover that will protect the cake.

For a family gift, fill a decorative tray or basket with an assortment of holiday treats. These could include jams or jellies, pickles or relishes, candy, cookies, a coffee ring, fruit bread. Let your own imagination guide you.

If you are planning to mail gift cookies to friends or relatives, make sure the contents arrive in the form of cookies and not crumbs. Select cookies that are good travelers and keepers. These include moist bars and squares, and soft drop cookies such as mincemeat, applesauce-nut and oatmeal-fruit to mention a few.

Why not let your own kitchen be the place where you create unique personal gifts this Christmas?

LAUNDER NATURAL FABRICS

Get your old ironing board out of storage because ironing is back in style. Ironing is in because cotton, linen, and silk are in.

Durable press finishes, tumble drying and steam irons all help, but proper laundering can make the difference between a tedious or a simple ironing job.

Wash and dry clothing according to the garments' care label. use the correct water temperature and wash cycle. The "permanent press" cycle will help prevent wrinkles by cooling the wash water and using a low spin speed.

Use your automatic dryer correctly, too. Dry lightweight and heavy items separately. Set the dryer for the correct temperature and time, then don't overload it.

When the cycle is completed, remove items from the dryer promptly. Smooth the seams, collars, cuffs, hems and zippers as you hang your clothes. Light wrinkles will usually hang out or require only a touch-up.

Remove denim, corduroy, knits and quilted items while they are still slightly damp. They can then be smoothed and hung to finish drying.

If you line-dry your clothes, consider letting garments drip dry. Avoid the final spin cycle so wrinkles are not set into the clothes and they will dry smoother. When you hang the clothes, smooth out wrinkled areas as you would when using the dryer. The weight of the water dripping out will also help smooth the wrinkles.

When using the dryer, remove clothes that require ironing when they are still slightly damp. Store them in a plastic bag until ironing time.

If garments are line-dried, they may need to be dampened before ironing. A steam iron and a well-padded ironing board will make ironing easier.

Toy space is vital

LANCASTER — Kids need space to play with their friends, build a roadway for car races, set up a train or build with blocks. They also need space to store playthings when they aren't being used.

A child who has organized indoor play area, with furnishings and materials stored near free floor space, tends to be attracted to it for play.

Play space can usually be found in an attic, basement or a corner of a den, dining room or living room. Younger children prefer to play near their parents or where family activities are centered. Even though it may be limited, provide some space for toy storage. Open shelf units to store toys seem to be more appealing to a child than a large wooden chest. The number of shelves can increase as the age and interests of the child change.

Before you buy Christmas toys or add to toys at other times of the year, give some thought to where you'll store these new possessions. Riding toys or wagons might be better to buy when children can use them outdoors.

Stonehedge home

(Continued from Page B2)

greenery and articles from the outdoors such as pine cones and nuts. A collection of handmade decorative articles will be incorporated into the natural greenery as well. The livingroom fireplace, one of two working fireplaces, will hold on its mantel a number of crackle tile items Trudy made from figures taken from giftwrap a number of years ago. They include a drummer boy, a tot hanging her stocking and other little ones preparing for Christmas. Above the mantel is displayed a large pinecone wreath.

On a small table against the wall in the adjoining diningroom is a display including a fox hunter figurine and an antique copper hunting horn amid a nest of fresh cut pine greens.

On the second floor are three bedrooms to be opened during the tour. The master suite once consisted of two bedrooms each with its own fireplace and a door joining the two rooms. The room to the south is daughter Patti Jo's. Her room contains a high-posted single bed, patchwork quilt, painting over the mantel and finished, random-width wood floor.

While staying with her parents. Kathleen has furnished the northwest bedroom with blue-gray wood trim, white painted walls, quilted bed covers, table cover and a dramatic display of dark-blue and white china, a wedding present given to her parents. Kathleen also sewed curtains for the two west windows in that bedroom to match the blue and white decor.

The one-time servants' quarter, now Herb and Trudy's bedroom, is decorated in a rose and blue theme with off-white walls making a background to set off the blue woodwork, rose and blue patch quilt and drapes repeating the print in the quilt.

The future plans for the restoration include refinishing another bedroom floor and uncovering the downstairs floors.

The Marshs call their home Stonehedge after the fact that a vein of stone continuing from a large quarry to the south of them runs through their property and a hedge once bordered the lane. Eight years ago the Marshs probably would not have believed they would be opening their home to a tour. They moved to make a home for the family, not to make a showplace.

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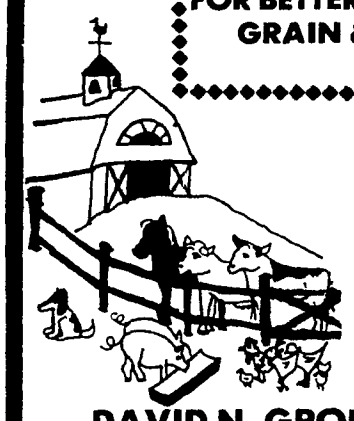

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The Game Commission says that both state and federal meat inspection regulations specifically do not prohibit plants from processing game for hunters. When processing meat products, venison and meat from other game can be mixed with beef, pork or other domestic meat, if desired. Game cannot be bought or sold.

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Choosing a smoke detector

LANCASTER — Fire kills over 12,000 Americans every year. The tragedy is that at least half these deaths could have been prevented with smoke detectors, says Dennis Murphy, Penn State Extension Safety Specialist.

For those in search of the proper early warning system, Murphy answers these common questions:

What is the difference between smoke detectors and heat detectors and which is better?

As the names indicate, smoke detectors sound an alarm when they are activated by smoke and heat detectors are activated by heat. For a heat detector to be effective, it must be near the location of the fire. This mean several units must be installed to cover all areas of the house.

However, a smoke detector can be activated by smoke coming from a remote area of the house. Studies also show that smoke detectors respond to a wider range of home fires. So it is more economical and effective to go with a smoke detector.

What are the different types of smoke detectors?

ionization and photoelectric smoke detectors. The photoelectric smoke detectors. The photoelectric smoke detector contains a small light source and a photocell. When smoke enters the detector, light reflects the smoke particles into the photocell and the alarm sounds.

The ionization smoke alarm contains a small radiation source that produces electrically charged air molecules called ions. These ions allow a small electric current to flow in the chamber. When smoke particles attach to the ions, they reduce the flow of electric current, setting off the alarm.

Both types of smoke alarms are effective, but the photoelectric alarm senses a smoldering fire quicker while an ionization alarm responds to a flaming fire faster. Many new smoke alarms have both the photoelectric and ionization features.

Isn't the source of radiation in an ionization smoke alarm dangerous?

According to the U.S. Nuclear Regulatory Commission, it is not dangerous. The NRC makes sure all detectors meet safety requirements.

The radiation source contains a small amount of americium 241, a carcinogen (cancer-causing agent); but it does not emit americium. The only way the substance could affect you is if it vaporized by heat nearing the temperature of molten silver. But if you're in a fire that severe, you probably won't be worrying about inhaling such a tiny amount of americium.

Where should I install the smoke detector?

The basic system should consist of one smoke detector outside of each sleeping area and an additional detector for every other level of the house, including the basement and excluding unfinished attics and crawl spaces.

If the hallway between the living and sleeping areas is more than 40 feet, you will need a smoke detector at both ends of the hall.

How should I mount a smoke detector?

Mount detectors on the ceiling, at least 18 inches away from walls and corners. Corners are dead air spaces.

Although instructions for some detectors say the alarm also can be placed on the wall, the ceiling is the preferred location.

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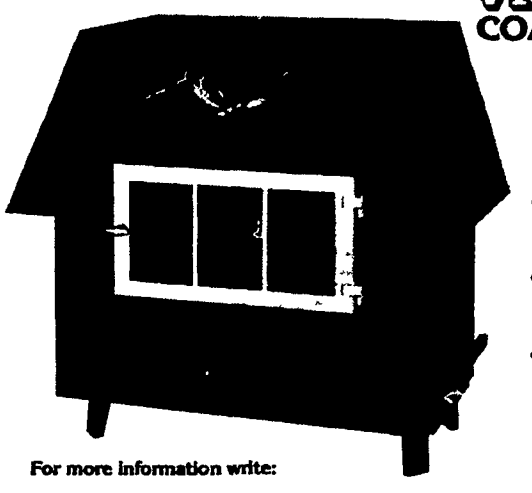

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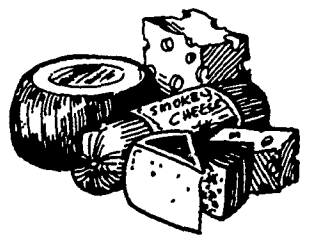
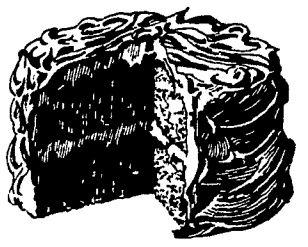
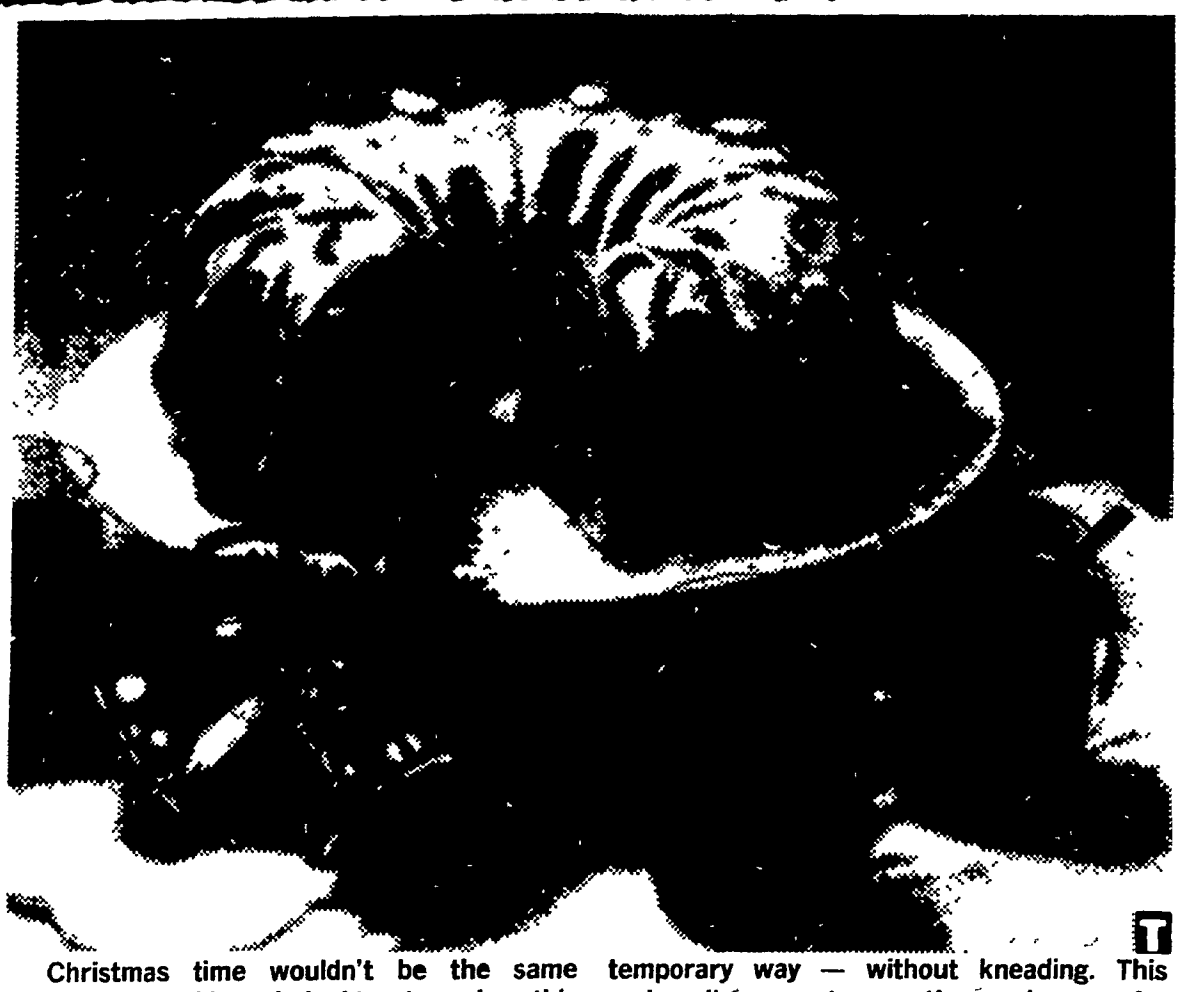


Home On The Range



Cakes promote the holiday spirit



Christmas time wouldn't be the same without special homebaked treats such as this classic Holiday Fruited Coffee Cake. But this old-fashioned yeast bread is made the contemporary way — without kneading. This recipe allows you to save time and energy for other activities during the holidays.

Christmas is the perfect time to bake a cake and give it to a friend or a needy family. Cakes are perfect gifts that show love because they take time and effort to create, and yet they are relatively inexpensive to make.

Most cooks enjoy trying new cake recipes because few people do not enjoy eating cake. Therefore, a hostess seldom goes wrong when serving it for dessert.

Featured at right is the Easy Holiday Fruited Coffee Cake. This cake calls for plenty of ingredients, yet is considered by most to be easy to make. Thus the name. Try it and other cake recipes listed below.

EASY HOLIDAY FRUITED COFFEE CAKE

1/3 c. milk
1/2 c. sugar
1 t. salt
1/2 c. margarine
1/2 c. warm water
2 pkg. dry yeast
2 eggs, beaten
3 1/2 to 4 c. unsifted flour
1 c. chopped walnuts
1 c. candied fruit
1/2 c. snipped pitted dates
1/2 c. quartered candied cherries
1 t. ground cinnamon
1 t. ground ginger
1 t. grated orange peel
1/2 t. ground nutmeg
powdered sugar glaze

Scald milk, stir in sugar, salt and margarine. Cool to lukewarm. Measure warm water into large warm bowl. Sprinkle in active dry yeast; stir until dissolved. Stir in lukewarm milk mixture, eggs and 2 cups flour. Beat until smooth. Stir in enough additional flour to make a stiff batter. Cover bowl; let rise in warm place, free from draft, until doubled in bulk, about 1 1/2 hours.

Meanwhile, thoroughly combine walnuts, candied fruits and peels, dates, cherries, cinnamon, ginger, orange peel and nutmeg.

Stir batter down. Mix in nut and fruit mixture. Spoon evenly into greased and floured 12-cup Bundt pan. Cover; let rise until slightly more than doubled in bulk, about 1 hour and 15 minutes.

Bake at 375 degrees about 30 minutes, or until done. Remove from pan and cool on wire rack. Frost with powdered sugar glaze when cooled.

CARROT CAKE

3 c. grated carrots
4 eggs
1 1/4 c honey
1 1/4 c. oil
2 c. whole wheat flour
1 c. unbleached white flour
2 t. baking powder
1 t. salt
2 t. baking soda
2 t. cinnamon
1 c. raisins
1 c. chopped walnuts

Sift dry ingredients. Combine carrots, eggs and honey. Add oil, and dry ingredients, stirring until moist and well-mixed. Stir in raisins and nuts. Pour into greased floured pan. Bake at 325 degrees for 40-50 minutes. Cool one hour before frosting.

Mrs. Wes Stauffer
Ephrata

PUMPKIN CAKE

2 c. sugar
2 c. pumpkin
1 1/2 c. vegetable oil
4 eggs
2 c. flour
1 t. salt
2 t. soda
2 t. baking powder
2 t. cinnamon
1/2 c. nuts
1 1/2 c. coconut

Sift the flour, salt, soda, baking powder, and cinnamon. Then put everything in the mixing bowl in order given. Mix well. Put in a greased 13x9x2 pan. Bake at 350 degrees for 45 minutes.

F. Martin, Lititz

CHOCOLATE CHIP CAKE

1/2 c. butter
1 c. corn syrup
2 eggs
1/2 c. milk
4 oz. chocolate chips
1 t. vanilla
2 t. grated orange rind
2 1/2 c. flour
1/2 t. salt
2 1/2 t. baking powder

Cream shortening and add corn syrup. Blend eggs. Beat well. Add sifted dry ingredients alternately with milk and flavoring. Beat well. Fold in chips. Pour into greased layer pans. Bake at 350 degrees for 25 to 30 minutes.

Barbara Russell, Pine Bush

WHITE AS SNOW CAKE

2 1/2 c. sifted cake flour
4 1/2 t. baking powder
1 1/2 c. sugar
1 t. salt
1 c. milk
1/2 c. shortening
4 egg whites
1 t. vanilla

Sift all dry ingredients into mixing bowl. Add shortening, soft, but not melted and 2/3 of the milk. Beat until batter is well blended and glossy, 150 strokes by hand.

Add remaining milk, egg whites, and flavoring. Beat until smooth, about 150 strokes. Pour into two greased and floured layer cake pans or one 9x9 inch square cake pan. Nuts may be added. Bake at 350 degrees for 30 minutes or until finished.

Laura Rissler, Stevens

CHOCOLATE CAKE

2 eggs, beaten
2 c. sugar
1 c. black coffee
1 c. milk
1/2 c. oil
2 t. baking soda
1 t. baking powder
1/2 t. salt
1 t. vanilla
2 c. all-purpose flour
3/4 c. cocoa

Beat eggs and sugar until smooth. Add oil, coffee and milk, then add flour, baking powder and soda, salt, cocoa and vanilla.

Bake in 350 degree oven for 35 minutes.

Mrs. Luke Wise, Lebanon

DATE CAKE

2 c. sugar
1 c. oleo or butter
2 eggs
2 t. vanilla
3 c. sifted cake flour
1 T. baking soda
2 c. boiling water
2 c. chopped dates
2 c. chopped nuts

Pour boiling water over dates and stir in baking soda. Set aside. Cream sugar and shortening. Add eggs. Beat well. Add flour alternately with date mixture. Add nuts. Bake at 350 degrees for one hour. Use an angel cake pan or Bundt cake pan to bake it in.

Mrs. Robert Moore, Hopewell, N.J.

VERY MOIST FUDGE CAKE

1/3 c. shortening
1 c. sugar
1/2 t. vanilla
2 sq. unsweetened chocolate OR 6 T. cocoa and 2 T. fat
1 egg

Sift together:
1 1/4 c. flour
1/2 t. soda
1/2 t. salt
3/4 c. water
1/2 c. semisweet choc. chips

Cream sugar and shortening till light and fluffy. Blend in vanilla and cooled chocolate. Add egg and beat well. Add dry ingredients alternately to cream mixture with 3/4 c. water beating after each addition.

Spread in baking dish. Sprinkle with chocolate chips and bake at 350 degrees for 30 minutes. Cool in pan.

Nancy Lort, Delta

APPLE CAKE

1 c. white sugar
1 c. brown sugar
2 eggs
1 c. shortening
1 c. cold water
2 t. salt
2 t. soda
2 t. vanilla
3 c. flour
4 c. finely chopped apples

Shred apples, sprinkle with a little sugar. Let stand. Mix others and fold in apples. Sprinkle 1 T. brown sugar and cinnamon on top. Bake at 350 degrees for 55 minutes.

Tastes great with whipped cream or ice cream.

J. Sarver, Millerstown

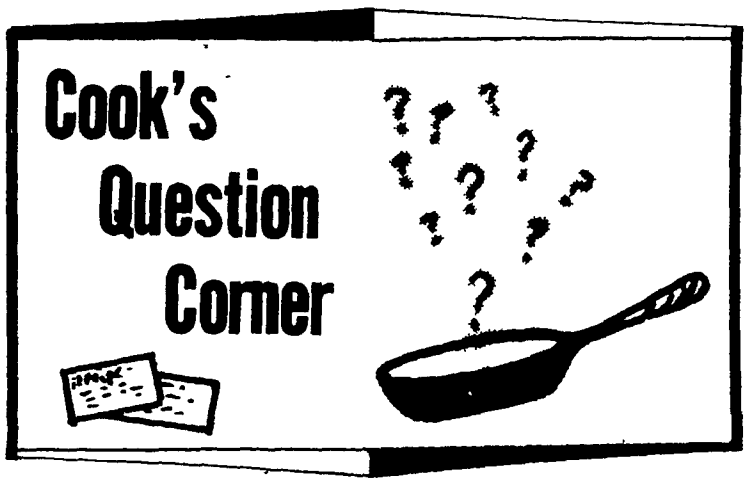
BALTIMORE PEACH CAKE

1 egg
1 c. sugar
1 c. milk
1 T. butter
1 1/2 t. baking powder
2 1/2 c. flour

Mix first 5 items together. Beat well. Add sifted flour. Beat. Divide batter into two 9x9 cake pans. Slice peaches and place over the batter close together. Then sprinkle all over with cinnamon and add 10-15 small pieces of butter over the top. Bake at 350 degrees for 45 minutes.

Wilmale Thomas, Carlisle

(Turn to Page B7)



QUESTION — I would appreciate any kind of recipes that take coconut oil with parafin.

Mrs. R. Zimmerman, Lebanon

ANSWER — Mrs. Ervin Fassett, who earlier had requested recipes for coconut macaroons, can now find a recipe at the end of the Home on the Range section. Other answers came from Mrs. William Livingston and Mrs. R. Boyd.

Recipe Topics

December	
5	Cakes promote friendship
12	Cookies for Christmas
19	Popcorn favorites
26	Beverages for the holidays
January	
2	Making vegetables exciting
9	Easy chicken dinners

Cakes for the holidays

(Continued from Page B6)

BLACK WALNUT CAKE

3 1/2 c. sifted cake flour
5 t. baking powder
1 t. salt
1 1/4 c. shortening
1 1/2 c. sugar
1 t. almond extract
1 t. vanilla
4 eggs, separated
1 1/2 c. milk
1/4 c. sugar
1 1/4 c. chopped black walnuts

Sift together cake flour, baking powder, and salt. Cream together shortening and 1 1/2 c. sugar in bowl until light and fluffy. Add almond extract, vanilla, and egg yolks, beating well. Add dry ingredients alternatley with milk, beating well after each addition.

Beat egg whites in bowl at high speed until frothy. Gradually add 1/4 c. sugar, beating until stiff glossy peaks are formed. Fold egg whites into batter. Fold in walnuts. Pour batter into two greased 9-inch round cake pans. Bake in 350-degree oven 45 minutes or until done. Cool. Frost with desired frosting.

Carolyn Hess, Lititz

APPLE WALNUT RING CAKE

1 c. butter
2 c. sugar
3 c. eggs
3 c. sifted all-purpose flour
1 1/2 t. baking soda
1/2 t. salt
1 t. cinnamon
2 t. vanilla
3 c. chopped apples
2 c. chopped walnuts

Cream butter and sugar until fluffy. Add eggs one at a time, beating well. Mix and sift flour, baking soda, salt and cinnamon. Add gradually. Stir in apples, walnuts, and vanilla. Batter will be stiff.

Spoon into greased and floured 10-inch tube pan. Bake at 325 degrees for 1 1/2 hour. Let cool in pan 10 minutes, remove to rack.

Mrs. Chester Warren, Chester Springs

HAWAIIAN CAKE

3 c. flour
2 c. sugar
1 t. baking soda
1 1/2 c. oil
1 can crushed pineapple with juice
2 large bananas diced
1 c. chopped walnuts
1 1/2 t. vanilla
1 t. cinnamon
1 t. salt
3 eggs

Mix all ingredients in a large bowl. This must be mixed by hand. Batter will be very heavy. Pour into a greased and floured nine-inch tube pan. Bake at 350 degrees for 1 hour, 10 minutes. Cool in pan. Then dump out and sprinkle with powdered sugar.

Mrs. Glenn Love, East Waterford

Following is a recipe for coconut macaroon as requested in Cook's Question corner.

COCONUT MACAROONS

1 1/3 c. flaked coconut
1/3 c. sugar
1/8 t. salt
1/2 t. almond extract
2 T. flour
2 egg whites

Combine coconut, sugar, flour and salt in bowl. Stir in egg whites and extract. Mix well. Drop by teaspoons onto lightly greased baking sheet. Bake at 325 degrees for 20 minutes or until brown around edges.

Remove from baking sheet at once. Makes about 1 1/2 dozen.

Sue Clark, Rising Sun, Md.

Ida's Notebook

Ida Risser

Today is my oldest daughter's birthday, and it brings back memories of other birthdays. Some are happy memories and some are not.

My middle daughter's 16th birthday fell on the day that Hurricane Agnes hit Lancaster County. And considering our location, just a hop and a skip from the Conestoga River, it was a sad day for all of us.

All of the top soil was swept away from a newly plowed field. The calf barn was flooded, water covered the compressors and lapped at the bottom of the bulk tank. Finally when it reached the front porch and carp leaped out of the water on the lawn, the children began to carry furniture to the second story.

During the night the plaster fell from the kitchen ceiling due to the vibrations of a pump we had running on the basement steps, to keep the five feet of water in the cellar below the fuse box level. What a day—barely any thought was given to her birthday.

However, when her friend had a 16th birthday, my daughter gave a lot of thought to her party. The big surprise was a very large box, gift wrapped, in a corner of our livingroom. When her friend opened the box, out popped her boyfriend and she was properly shocked.

Usually my childrens' first party included their kindergarten classmates. Sometimes these little ones were reluctant to leave their mothers and join in the games. Then when cake and ice cream were served, they'd just pick at the food and it had to be thrown away. But I suppose that it was a learning experience for everyone.

A few weeks ago, my youngest daughter turned 18 and I gave her money to buy a gift. But when she came home from college, she wanted to return the money and pick out one of my antique dishes for herself.

She reminded me that I'd done this for the other children and so I said all right. I suppose that I should be glad they are interested in the things that I collect and treasure.

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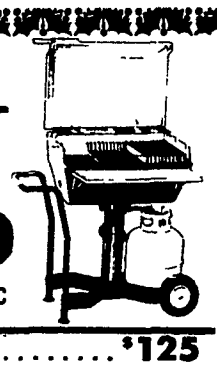

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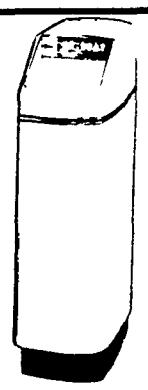

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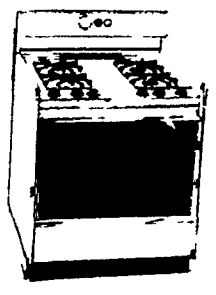

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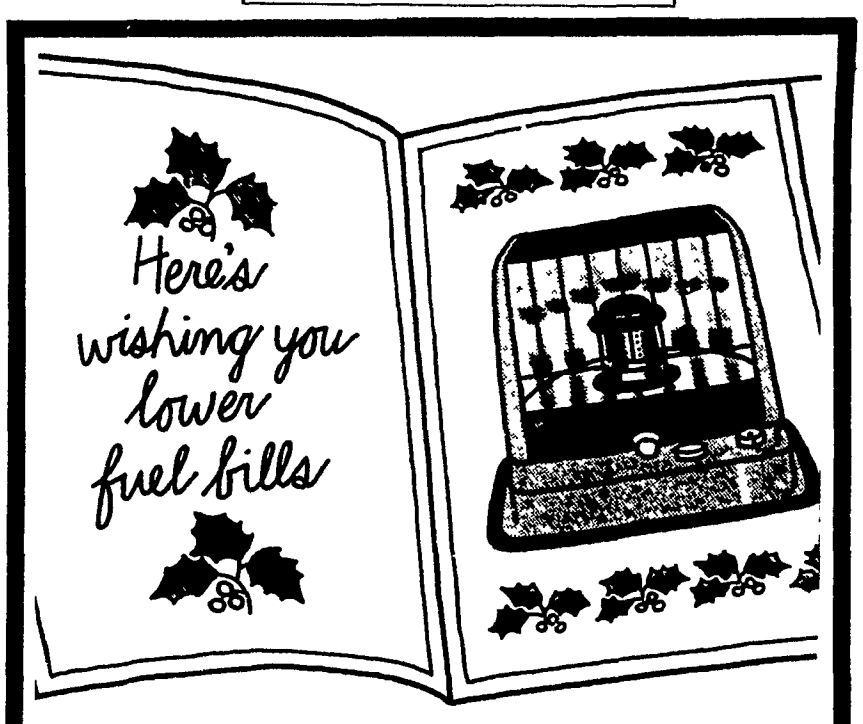

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McConaughey relinquishes nat'l Southdown crown

Darlene McConaughey of Smicksburg crowns the 1981-82 National Southdown Queen, Rachel Schulz of Iowa, seated, during the Annual Southdown meeting in Louisville, Kentucky.

LOUISVILLE, Ky. — Mixed emotions were apparent as Darlene McConaughey of Smicksburg, Pennsylvania, crowned the 1981-82 National Southdown Queen last week in Louisville, Kentucky.

Darlene confessed she is glad the busy schedule of being a national queen is over, but she will miss meeting new people. Darlene served one year as Pennsylvania Southdown queen before wearing the national crown.

As National Southdown Queen, Darlene attended several county and state shows, the Midwest Show and Sale in Sedalia, Missouri, and the National Southdown Show and Sale in Louisville, Ky. She also visited elementary schools telling about sheep and wool and arranged a visit by a junior church group to her farm.

Darlene's major emphasis during her reign was to promote activities for junior Southdown breeders, stating she feels this is where the future of the breed lies. Darlene developed a pamphlet telling of all the junior Southdown contests and activities and built an exhibit which she carried along to all Southdown activities.

This is not the end of promoting sheep for Darlene, however. She plans to continue developing her award-winning and Suffolk flocks.

F.W.S. Calendar

Saturday, December 5

Lancaster Society 1 meets with Mary Kurtz to hear speaker Jesse Garman

York Society 1 meets for a Christmas party

Lancaster Co. Society 17 meets at the Chestnut Level Church House for a Christmas party

Lancaster Society 12 meets for a party at the Lion's Community Building

Tuesday, December 8

Lancaster Society 22 meets for a Christmas party at the Lampeter Fire Hall

Wednesday, December 9

York Co. Society 9 meets for a Christmas party

York Society 7 meets for a party also

Lancaster Society 14 meets at the home of Ada Rohrer for "For Whom the Chimes Ring"

Thursday, December 10

Lancaster Society 21 meets for a Christmas party

Saturday, December 12

Lancaster Society 6 meets at the Church of the Brethren to hear the Wagner Children entertain families

Berks Society 5 meets for a Christmas banquet

Lancaster Society 19 meets to see the live Christmas tree at Lynchburg, VA, and a tour of Liberty Mountains

Lancaster Society 13 meets for Christmas party at the Ronks Fire Hall

Lancaster Society 28 meets with husbands at the Bird-in-Hand Motor Inn to see a chalk artist

THINK AHEAD...
Read Futures Markets on Page 3.

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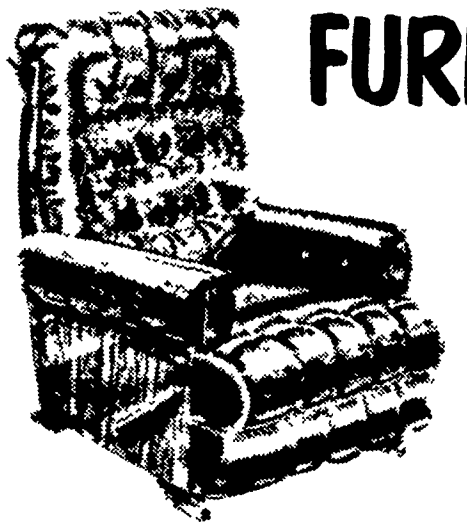

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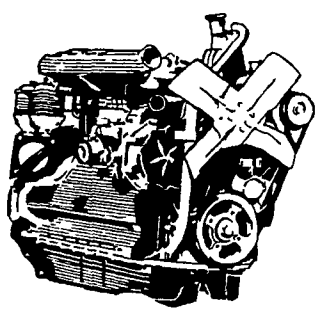

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Farm Women Societies

York Co. Society 12

York Society Farm Women 12 held its November meeting at the home of Mrs. Edward Lanius.

Kathy Strand, public relations representative from Capital Performing Arts Center of York, was the speaker.

Three members from Society 12 are planning to attend the state convention in Harrisburg. They are Mrs. Charles Gable, Mrs. Janet Kohler and Mrs. Romaine Trout.

A Christmas party will be held at York Fair Banquet Center on the York Fairgrounds for members and their husbands and guests, December 8 at noon.

Lancaster Co. Society 18

Lancaster Society 18 met at the home of Mrs. Wayne Brubaker recently. Twenty-six members and two guests attended.

Bill Byers, speaker for the evening, presented a talk on energy conservation in the home.

Plans were made for a trip to Longwood Gardens in December.

Mrs. David Buckwalter and Mrs. Christ Greider will attend the state convention as delegates for Society 18.

The next meeting will be December 12.

Lancaster Co. Society 13

Lancaster Society 13 met recently at the home of Mrs. Joseph Ganse.

Crafts were the project for the evening. Everyone made a Holly Hobby doll with a clothespin.

Final plans were made for the family Christmas dinner to be held at the Ronks Fire Hall, Saturday evening, December 12.

Lancaster Co. Society 8

Lancaster Farm Women 8 met at the home of Ethel Herr, November 21.

Twenty-four members and three visitors were present.

Response to roll call was given by naming favorite restaurants. Ruth Eby had charge of devotional time. A slide presentation on China was enjoyed by the group.

The annual Christmas party will be held at the home of Vera Frey, Marietta R1, December 19, at 6:30 p.m. Husbands and friends will be entertained. Members will bring one hot dish, one cold dish, and their own place settings. The special speaker will be Mr. Saylor. The title of his talk will be "A CHRISTMAS HERBAL."

Lancaster Co. Society 2

Lancaster Society 2 held their November meeting at the home of Ruth Waltz. Nineteen members attended.

Entertainment was provided by Peggy Klein, ventriloquist.

The Society will purchase blankets to be used at Teen Challenge.

The annual Christmas social and December meeting will be held at the home of Peg Barrett on December 12 starting at 10 a.m.

Lancaster Co. Society 28

Lancaster Society 28 recently met for their November meeting at the home of Mrs. Jacob Bare.

For roll call, each member responded by naming their most appreciated appliance.

A microwave demonstration was presented by a representative from the General Electric Company.

The December 12 meeting will be held at the Bird-in-Hand Motor Inn for a Christmas banquet with husbands as guests.

Lancaster Co. Society 3

Lancaster Society 3 met recently at Salem Lutheran Church in Ephrata. Thirty-five members attended.

Members will go Christmas caroling to shut-in members on December 11, leaving the Cloister Diner at 6 p.m. Carollers will be entertained at the home of Mrs. Gladys Paul following the evening.

Three delegates will attend the convention in Harrisburg. They are: Ruth Shaub, Mildred Pfautz, and Barbara Wenger.

Speaker for the evening was Ellen Radgers from Blue Ball. She presented a musical program of vocal and instrumental music.

The next meeting will be a Christmas party for members and their children.

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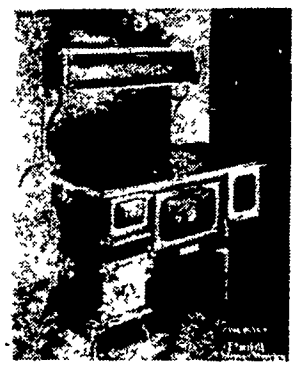
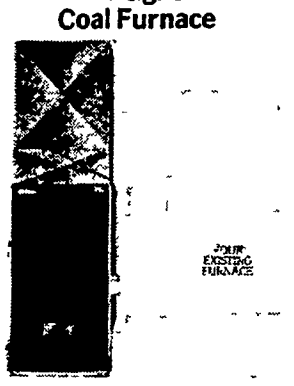


Enterprise Airtight Coal Furnace



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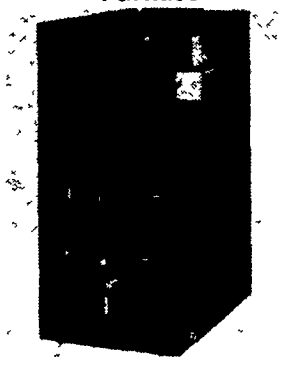

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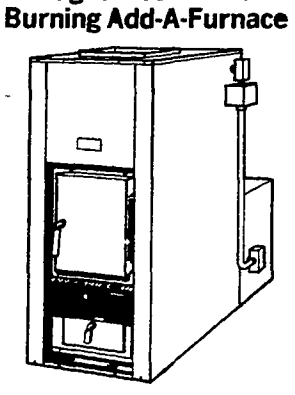

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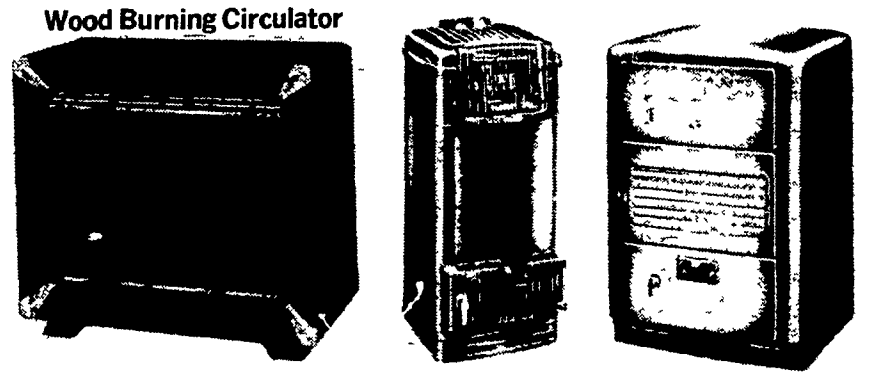
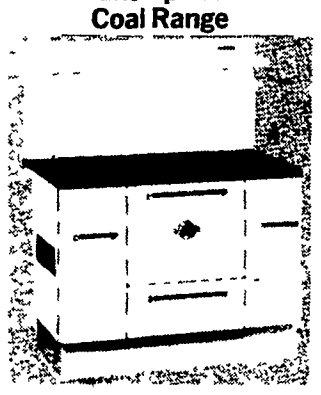


Enterprise Coal Range



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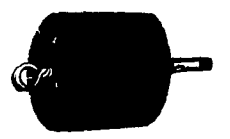

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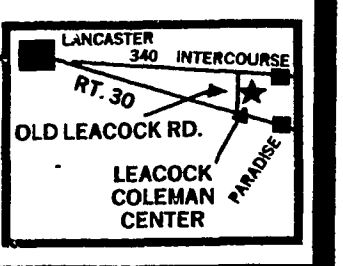

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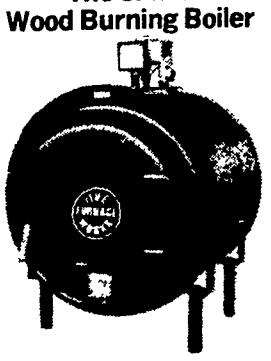

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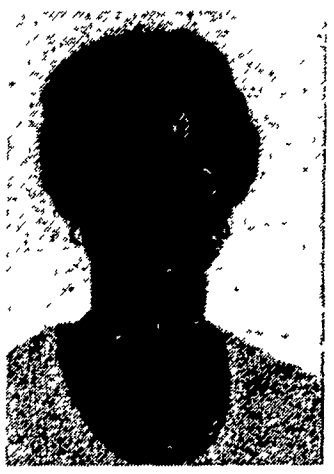

On being a farm wife - And other hazards

Joyce Bupp

Thinking about sending Christmas cards?

Better hurry. Your friends could still be waiting for them on New Year's Day.

At least that's the delivery service a couple of hundred Mid-Atlantic area dairy families have come to expect.

Dairy farmers get their paychecks via the mails, sent out from their cooperatives, or private handlers. The bulk of us receive only monthly checks, although some accounts are set up for bi-monthly payouts.

With agriculture such a credit intensive business, there are few farmers who don't have some regular loan payments rolling due for machinery, cows, crop expenses, not to mention the mortgage on the old place. And, likely, those payments for dairymen are set up to pretty well coincide with the receipt of the milk check.

This farm wife, for instance, regularly plans to be near the mailbox on the second day following milkcheck mailings. Like most paychecks in these days of tight economics, it's spent before it even passes a bank teller's hands.

So when several days had passed and many of our cooperative's members had still not received their November check recently, they were plenty upset.

The checks had been pre-sorted, stamped with first-class postage, and hand delivered to the Baltimore postal facility. By contrast, some members in extreme western Maryland received their's the following morning, while nearly a week later, others were still lost.

A massive headache of stop-payments and reissueance of checks, hand deliveries and various emergency procedures bailed out dozens of farm families faced with loan payments and land tax penalties, plus the black mark against credit that goes with late payments.

The vanished checks eventually turned up in bags of third-class "junk mail", which normally is mailed out at just pennies.

The most aggravating part of the problem is that it's happened again and again.

Of course, there's a solution for better service. Raise the cost of stamps. Look what that's always done for better service in the past.

In fairness to the Postal Service, their rural post office personnel seem considerably more efficient, and genuinely concerned.

One of my favorite local postmistresses, when asked if she would have to shut down during the recent period when the government literally ran out of operating money, replied that she guessed they paid her enough that she could come in for a day or two not knowing whether her next paycheck would ever arrive.

I nominate her for Postmaster General.

Patches wins tractor contest

LEBANON — Cedar Crest FFA members Dale Zuck and Mark Patches recently competed in the Area FFA Tractor Driving Contest at Blue Mountain High School.

The contest consisted of two course. On the first course the contestants had to back a manure spreader into a stall and drive it through an obstacle course. The second course consisted of backing a wagon from one stall into another. There was also a written test for all contestants.

The contest ended with Mark Patches placing first with 237 points and Dale Zuck finishing third with 255 points.

Patz

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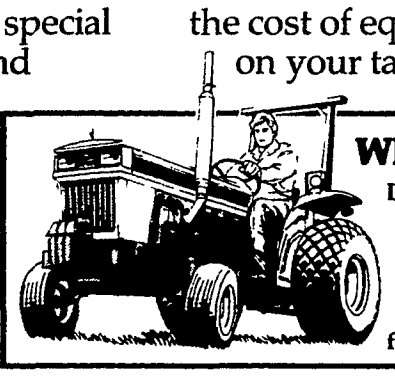

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Adams capon sale sets record

GETTSYBURG — Once again the Cashtown Lions Club hosted a record setting 4-H capon round-up. An average price of $5.91 per pound establishes a new record price for 4-H capons in Pennsylvania, according to John Schwartz, Adams Extension agent.

Ronald Howell, York Springs, exhibited the Grand Champion Capon. The 10.25 pound capon was purchased by Adams County Sheriff Bernard Miller for $12 per pound. Ronald is the son of Mr. and Mrs. James Howell.

The two reserve champion capons were exhibited by Elizabeth Myers, Dillsburg and William Shetter, Gettysburg. Elizabeth, daughter of Mr. and Mrs. Frank Myers, exhibited a 10.5 pound capon, purchased by Clark Spence, Adams County Home Beverage, Cashtown, for $9.50 per pound. The 10.25 pound capon exhibited by William, son of Mr. and Mrs. Edward Shetter, was purchased by Gettysburg National Bank for $7.25 per pound.

John Bream, chairman for this year's show and sale, reported seven Adams County 4-H'ers participated in the Seventeenth 4-H capon round-up sponsored by the Cashtown Lions Club, the Adams County Poultry Association and the Adams County Cooperative Extension Service. Twenty-one capons weighing a total of 216.25 pounds were sold for $1,278.80. Bream added that the profit received by these junior executives from this 4-H Capon business is used as operating capital for next year's 4-H capon project and saved to help meet future educational expenses.

The members were judged on the Danish System by Penn State Extension Poultry Specialist Herb Jordan. The capons were evaluated on conformation, freedom from pinfeathers, cuts, tears, and bruises, packaging and dressing procedure. Members receiving blue merit ribbons for exhibiting superior quality capons were Ronald Howell, Elizabeth Myers, William Shetter, and Patrick McMaster. Daniel McMaster, Jenny Shetter, and Kenneth Shetter received red merit ribbons for exhibiting excellent quality capons.

The Adams County Poultry Association, in addition to supplying free capons to three 4-H members and buying the trophies for round-up, purchased two capons to be donated to Green Acres for Thanksgiving. The Gettysburg National Bank also donated the two capons they purchased to Green Acres.

Other buyers included Gerald Keller, Adams County National Bank, Glenn Herring, Dale Biesecker, John Schwartz, Carl Frantz, Larry Peters, John Bream, Jr., and Jim Herring.

Larry Peters, Biglerville served as auctioneer for this record sale.

Buyers of the champion capons at the 1981 Adams County 4-H Capon Round-up are standing behind the winning 4-H members (left to right) Clark Spence, Adams County Home Beverage, purchased the Reserve Champion for $9.50 per pound exhibited by Elizabeth Myers, Dillsburg; Bernard Miller, Grand Champion for $12 per pound, exhibited by Ron Howell, York Springs, and Fred Shultz, Gettysburg National Bank, Reserve Champion for $7.25 per pound exhibited by William Shetter, Gettysburg.

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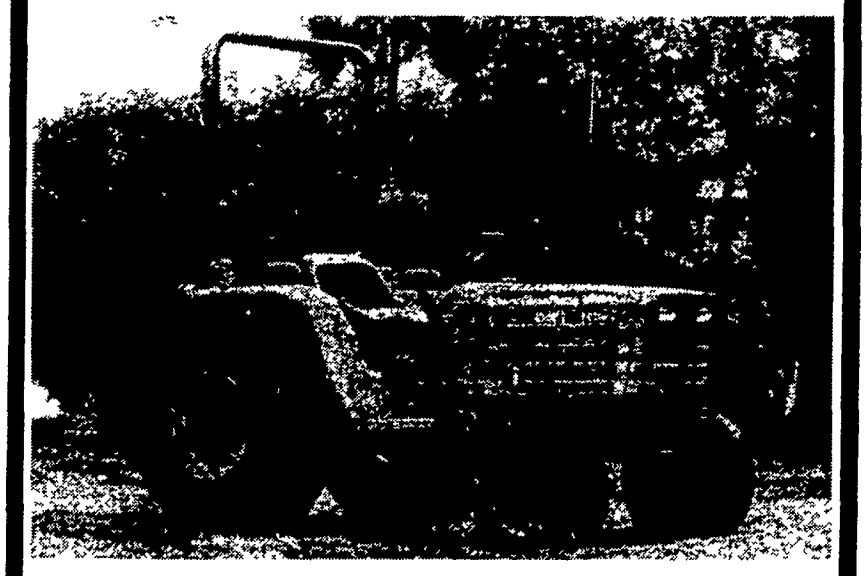

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Kid's Korner

At the 41st Eastern 4-H show

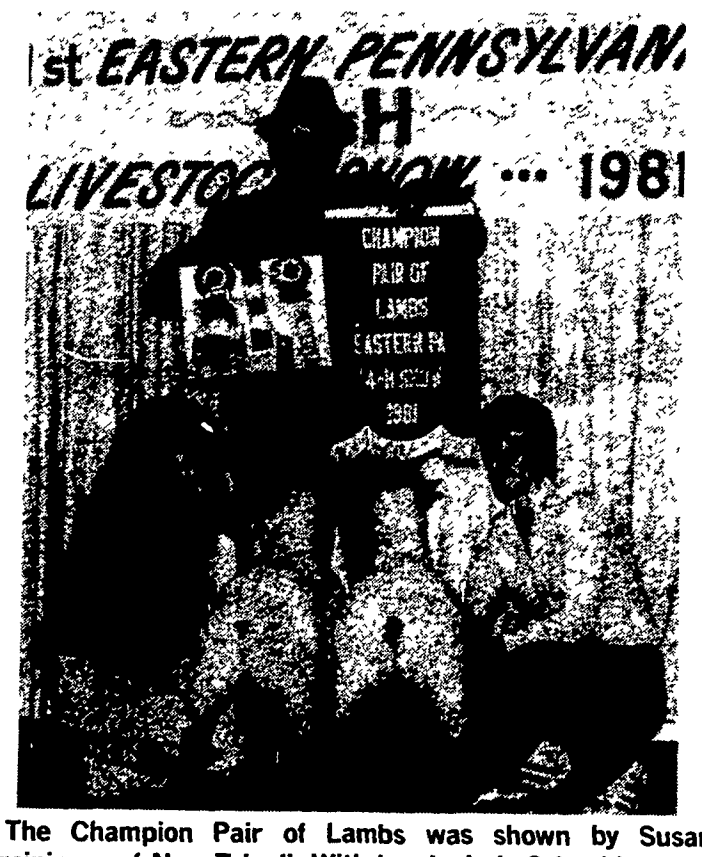
Wagner, Schultz, emerge champions

ALLENTOWN — The Grand Champion steer was exhibited by Andy Wagner, Northampton County, weighing 1175 pounds at the Bucks, Carbon, Lehigh, Montgomery, Northampton and Schuylkill Eastern Pennsylvania 4-H Beef and Lamb Sale, Saturday, November 21, at the Allentown Fairgrounds. The buyer, Danny George of George's Foodliner, Bethlehem, paid $2.45 per pound.

Willi Wilson, Lehigh County, showed the Reserve Grand Champion steer weighing 1318 pounds and was sold for $1.25 per pound. The buyer was Radcliffe IGA, Macungie.

The Champion Light Weight steer weighing 1015 pounds sold for $1 per pound and was bought by Baums Meat Packing, Inc., Lansdale. The steer was exhibited by Steve McMahon, Montgomery County. Cheryl Rapatski, Northampton County, showed the Reserve Champion Light Weight steer, weighing 1030 pounds and was purchased by Charles Mackenzie, Allentown, for $.91 per pound.

(Turn to Page B14)



The Champion Pair of Lambs was shown by Susan Breininger of New Tripoli. With her is Judy Schneider, left, and buyer Richard Haftl of Haftl Meats in Allentown.

Loganville celebrates achievement

Recognized for outstanding achievement in their individual projects in the Loganville 4-H Club were: Bryan Palmer, Crystal Shearer, Cathy Bricker, Tom Beck, and (back row) Troy Goodling, Pam Ruhland, Andy Rohland, Chrissy Hoskin, and Joe Druck.

LOGANVILLE — The Loganville 4-H Club held their Achievement Program on November 14 at the Codorus Church of the Brethren.

Trophies were presented to the following outstanding members: Bryan Palmer, Outstanding Overall Member; Tom Beck, Outstanding Overall Boy; Crystal Shearer, Outstanding Overall Girl; Pam Ruhland, Outstanding Rookie Girl; Andy Rohland, Rookie Boy; Chrissy Hoskin, Outstanding Jr. Girl; Joe Druck, Outstanding Jr. Boy.

Project awards went to Robert Bricker, handyman; Mark Loughran, rifle; Tom Beck, tractor; June Loughran, art; Joe Druck, beef; Patty Bupp, dairy; Jay Gutt, rifle; Heidi Dietz, sheep; Bonnie Beck, sewing; Troy Goodling, electric; Barbara Myers, rabbit; Chrissy Hoskin, quilling; Cathy Bricker, decorating cakes; Shannon Tracy, Entomology; Chad Stine, snowmobile; Heath Ruhland, tractor; Todd Myers, vegetables; Denise Hoskin, flower gardening.

Unscramble Christmas magic

Unscramble the following words to find things associated with Christmas. When you're finished (or if you get stumped) look at the answers below.

dreniere	threwa
gramen	lebls
natsir	slitgh
yeknod	steprens
wons	skieoco
gleish	toptinsiea

Answers: reindeer, manger, trains, donkey, snow, sleigh, wreath, bells, lights, presents, cookies, poinsettia

FFA and 4-H members, take note:

LANCASTER — If your FFA or 4-H group is voluntarily spreading the Christmas spirit this year by doing for a needy group or family or by giving of some donations, send us a picture and the information on your group. We will publish it in the December 21 issue.

All submissions should be in by December 17. A black and white picture is preferred. Please include the name of your club, address, dates of events, service done, and names of those who apparently picture.

COLOR THIS!

1.	BLACK	6.	PEACH
2.	RED	7.	GREEN
3.	YELLOW	8.	LT BROWN
4.	BLUE	9.	LT GREY
5.	BROWN	10.	LT GREEN

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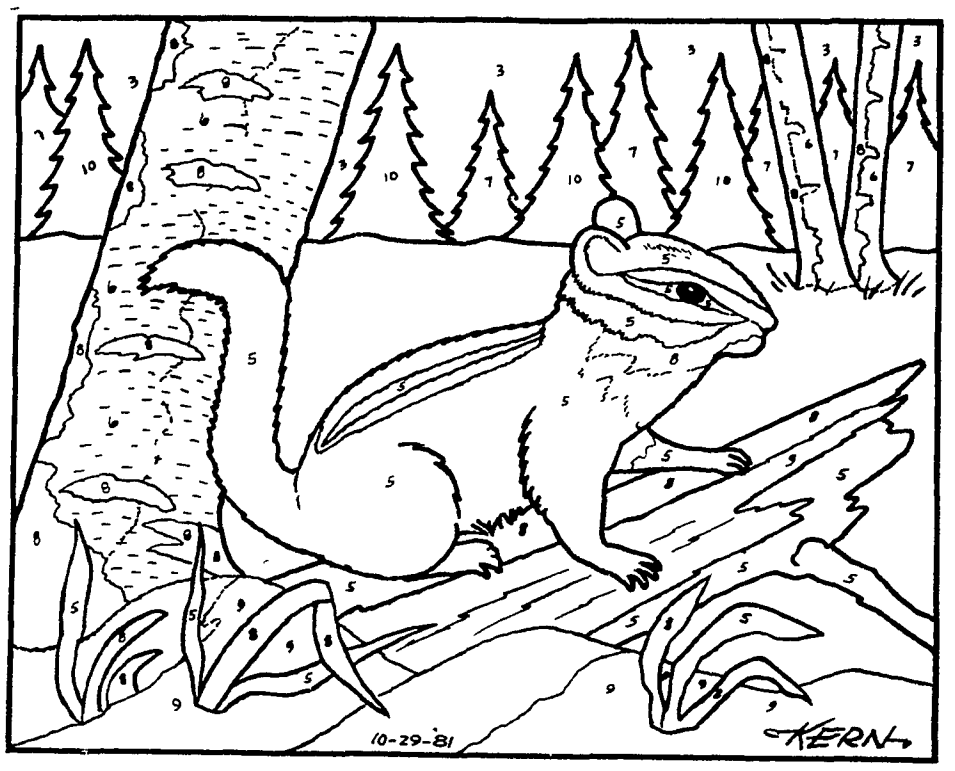


Hoffman receives home ec. scholarship

UNIVERSITY PARK — Nina Hoffman, a senior at Indiana University of Pennsylvania, has received a $250 scholarship from the Lydia Tarrant Extension Homemakers Fund.

The daughter of Mr. and Mrs. Daniel Hoffman, R7, Gettysburg. Nina is one of 11 students who received awards. The scholarships are given annually to outstanding young people studying home economics at Pennsylvania colleges and universities.

Nina worked in the summers of 1980 and 1981 as a 4-H summer assistant, in the Adams County Extension Office.

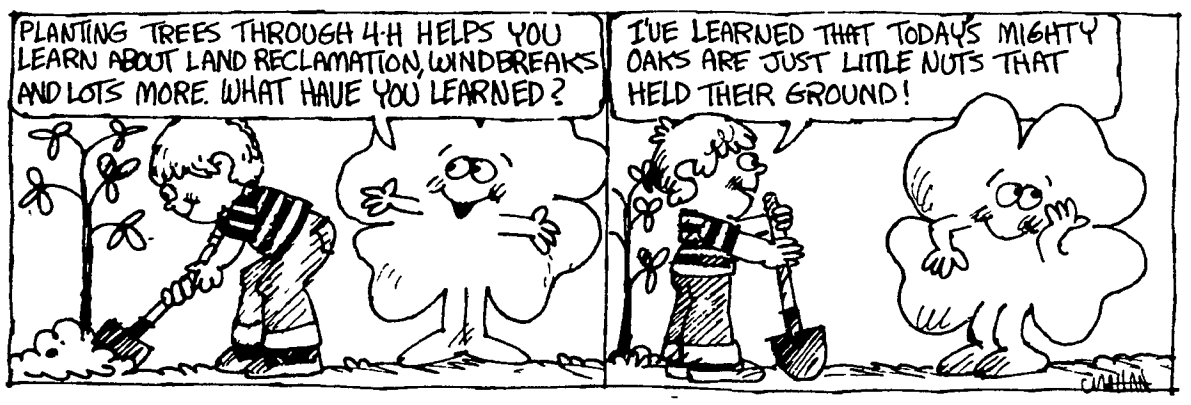
She compiled an outstanding record as a 4-H member in clothing programs and leadership. She is presently serving as a state officer in the student division of Pennsylvania Home Ec. Association.

At present, she is doing practice teaching in home economics in Derry, Pennsylvania, and will graduate in June in Home Economics Education.

Since the scholarship fund was established in 1953, Cooperative Extension Service homemakers groups across the state have contributed over $110,000. Through the years, the awards have increased in amount as a result of the growing commitment of Extension homemakers to the program.

Now in its 28th year, the fund has awarded over 500 scholarships. It is named in honor of Lydia Tarrant, a retired Pennsylvania Cooperative Extension Service administrator and home economist who was instrumental in establishing the fund.

CHRIS CLOVER


PLANTING TREES THROUGH 4-H HELPS YOU LEARN ABOUT LAND RECLAMATION, WINDBREAKS AND LOTS MORE. WHAT HAVE YOU LEARNED?
I'VE LEARNED THAT TODAY'S MIGHTY OAKS ARE JUST LITTLE NUTS THAT HELD THEIR GROUND!

Maryland team is nat'l horticulture winner

COLLEGE PARK, Md. — For the fourth time in 10 years, a Maryland team has won the 4-H division of U.S. judging competition sponsored by the National Junior Horticultural Association.

This year's contest was held October 31 at Colorado Springs, Colo., during the forty-seventh annual convention of the NJHA. There were 15 state 4-H teams competing.

The team won by a comfortable margin, with two members finishing well ahead of the pack in the individual standings. The two high individuals were Bryan P. Swann, 15, of Newburg, who placed first, and Samuel J. Brown, 17, of Rising Sun, who was second.

Cecelia M. Chandler, 16, of Hughesville placed tenth in the national contest. Ellen D. Brown, 18, of Rising Sun was the fourth member of the Maryland 4-H team.

Another Maryland team of former 4-H contestants placed third in the open division of the NJHA judging contest, repeating last year's accomplishment. Members of this team, in order to finish were Patty Marvin of LaPlata, Linda Hearn of North Laurel, and Denise Smick of Jarrettsville.

The NJHA judging competition also includes an honors category for former contestants who have finished first in any division of the national contest, or were members of teams which placed first in prior years.

Linda M. Marvin of LaPlata placed first among 10 individuals from five states in this category.

Coaches for the Maryland youth horticulture judging teams again this year were D. Michael Ensor of Parkton and George S.W. Marvin of LaPlata. Marvin has been a state 4-H horticulture team coach every year since 1978. He is a volunteer 4-H leader. Ensor is a horticulture assistant for the Carroll County Extension service in Westminster.

Maryland teams have finished fifth or better every year since 1970 in national youth horticulture 4-H judging contests. And they have won the national championship in 1972, 1977, 1979 and 1981.

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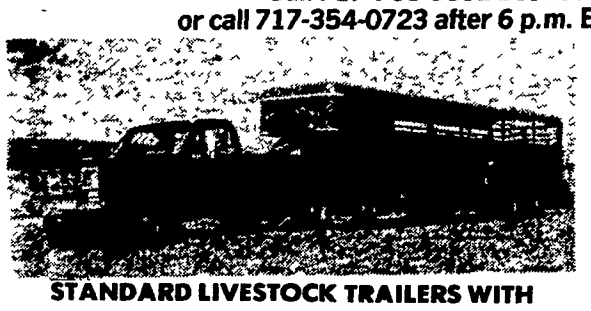
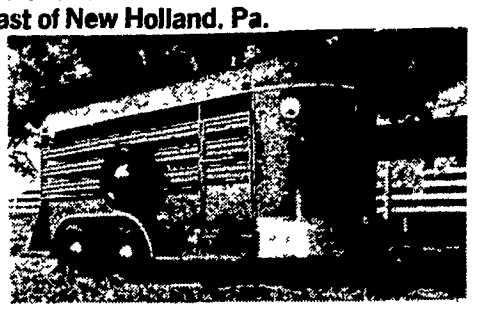

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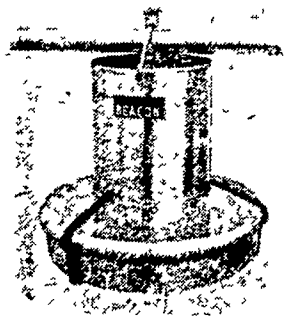
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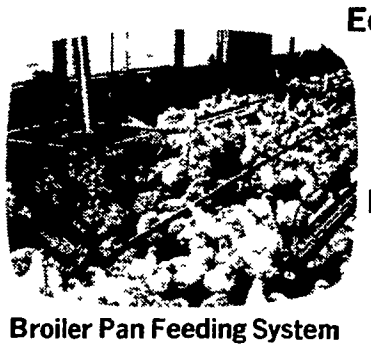
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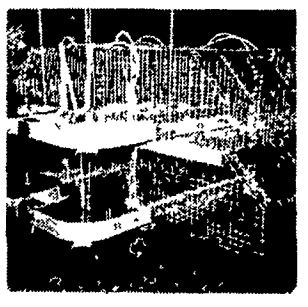
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Graybill will crown new potato queen

LANCASTER — Pennsylvania's potato queen, 17-year-old Gail Graybill, will turn her crown over to a new queen on January 14 in conjunction with the 65th Annual Pennsylvania State Farm Show.

Gail, the daughter of Mr. and Mrs. J. Clair Graybill of Lancaster, was raised and worked on her parents farm which included 50 acres of potatoes.

This young queen attended the Manheim Central High School, being active in Future Homemakers of America, served as a Red Cross volunteer, a cheerleader, a yearbook editor, and member of the Medical Careers Club. She plans a future in accounting.

To date, Gail has traveled over 2,000 miles and made over 20 appearances at shopping malls, state fairs, and other gatherings. She has distributed over 10,000 potato recipe booklets, and hundreds of pounds of potato chips.

The Pennsylvania Co-operative Potato Growers, Inc. is now seeking donations for the queen and promotional activities which then will be listed at the annual banquet, Thursday, January 14, 1982.

Gail Graybill

4-H'ers emerge champions

(Continued from Page B12)

The Champion Medium Weight steer weighing 1050 pounds sold for $1.10 per pound and was bought by Chapman Equipment Center, Wescosville. The steer was exhibited by Diane Krause, Lehigh County. Debra Krause showed the Reserve Champion Medium Weight steer, weighing 1086 pounds. It was purchased by both Marvin Clause Home Improvement and T. Kern's Floor Covering, both of Slatington, for $1 per pound.

The Grand Champion individual lamb, weighing 102 pounds was sold at $3.90 per pound to Danny George, George's Foodliner. It was owned by David Schultz, Northampton County. The Grand Champion Pair of Lambs, exhibited by Susan Breininger, Lehigh County, was purchased by Haftl Meats, Allentown. The Pair of Lambs weighed 182 pounds and was sold at $1.75 per pound.

Marlyn Stroh, Montgomery County, showed the Reserve Grand Champion Lamb and was sold to Southeast Farm Credit, Silversale, at $1.40 per pound. The lamb weighed 94 pounds. The Reserve Grand Champion Pair of Lambs, shown by Ruth Grim, Lehigh County, weighed 190 pounds. It was purchased by Danny George, George's Foodliner, for $1.20 per pound. The Champion Heavy Weight lamb was purchased by Berks-Lehigh Farm Credit, Fogelsville, for $1.15 per pound. The lamb weighed 140 pounds and was exhibited by Joshua Grim, Lehigh County. The Reserve Champion Heavy Weight lamb, weighing 135 pounds was sold at $1.25 per pound to Chapman Equipment Center, Wescosville. It was owned by Kathy Moss, Bucks County. The Reserve Champion Light Weight lamb was purchased by Lester Wagner, Pen Argyl, for $1.35 per pound. The lamb weighed 96 pounds and was exhibited by Geoffrey Harvey, Bucks County. The Reserve Champion Medium Weight lamb, weighing 114 pounds was sold at $2.10 per pound to Pat-Ric Farm, New Ringgold. It was owned by Andy Wagner, Northampton County.

The sale, as was the show on Friday, was conducted by the Agricultural Extension Service, with the county agents of the six counties in charge. The auctioneer was Ralph Zettlemoyer.

Average price per pound of the steers with the Grand Champion included was $.98 per pound, without the top, the average was $.92 per pound. Last year's averages were $.95 and $.91.

Average price per pound for the lambs with the Grand Champion included was $1.22 per pound, without the top, the average was $1.15 per pound. Last year's averages were $1.11 per pound, without the top, the average was $1.00 per pound.

The total sales of the 32 steers in the sale were $34,720.70. The total sales of the 64 lambs in the sale were $8,138.35.

Results are as follows:

BEEF

Light Weight

1 Megan Roth Collegeville 2 Catherine Cesanek Northampton 3 Ralph Danner East Texas 4 Margaret Schultz Collegeville

Heavy Light

1 Steve McMahon Green Lane Light Weight Champion 2 Cheryl Rapatski Bangor Reserve Light Weight Champion 3 Karen Wuchter Northampton 4 Bernadette McMahon Green Lane 5 Glen Bateman Worcester

Light Medium Weight

1 Diane Krause Slatington Medium Weight Champion 2 David Schultz Nazareth 3 Gwen Hower Northampton 4 Glenn Wuchter Northampton 5 Jane Sikorski Emmaus

Heavy Medium Weight

1 Debra Krause Slatington Reserve Medium Weight Champion 2 Daniel Berghold Bath 3 Janet Poliskiewicz Bangor; 4 Mike Saeger Walnutport 5 Todd Gulick Bangor

Light Heavy Weight

1 Andy Wagner Bethlehem Heavy Weight Champion 2 Gavin Grim Mertztown 3 Jon Wetzel Coopersburg 4 Becky Roth Collegeville 5 Michelle Strouse Pen Argyl

Heavy Heavy Weight

1 Willi Wilson Mertztown 2 Seth Gruber New Tripoli 3 Jim Roth Collegeville 4 Diane Miller Lehighton 5 Tim Fagan Norristown

Light Light Weight

1 Marlyn Stroh, Lafayette Hill Lightweight Champion 2 Phil McMahon Green Lane, 3 Kendra Schwenk Souderton 4 Patty Ainsworth Nazareth 5 Karl Bromm Wycombe

Heavy Light Weight

1 Geoffrey Harvey, Pipersville Reserve Lighweight Champion 2 David Samkavitz, Doylestown, 3 Amy Tyner Prospectville 4 Ricky Raab Hartsville 5 Marshall Franklin Chalfont

Light Medium Weight

1 David Schultz Nazareth Medium Weight Champion, 2 Diane Miller Lehighton 3 Judy Schneider New Tripoli 4 Arthur Yoder Doylestown 5 Maryann DeFazio Yardley

Heavy Medium Weight

1 Andy Wagner Bethlehem Reserve Medium Weight Champion 2 Richard Trexler Germansville 3 Ruth Grim Breinigsville 4 Sue Shoener Pine Grove 5 Joyce Paslo New Hope

Light Heavy Weight

1 Susan Breininger New Tripoli 2 Lewis Trexler Germansville 3 Cheryl Almer Nazareth 4 Kim Craft Pipersville 5 Nicole Trexler Germansville

Heavy Heavy Weight

1 Joshua Grim Breinigsville Heavy Weight Champion 2 Kathy Moss Perkasie Reserve Heavy Weight Champion, 3 Ramona Wagner Pen Argyl 4 Michelle Strouse Pen Argyl 5 Mathew Wagner Pen Argyl

Grand Champion

David Schultz

Reserve Grand Champion

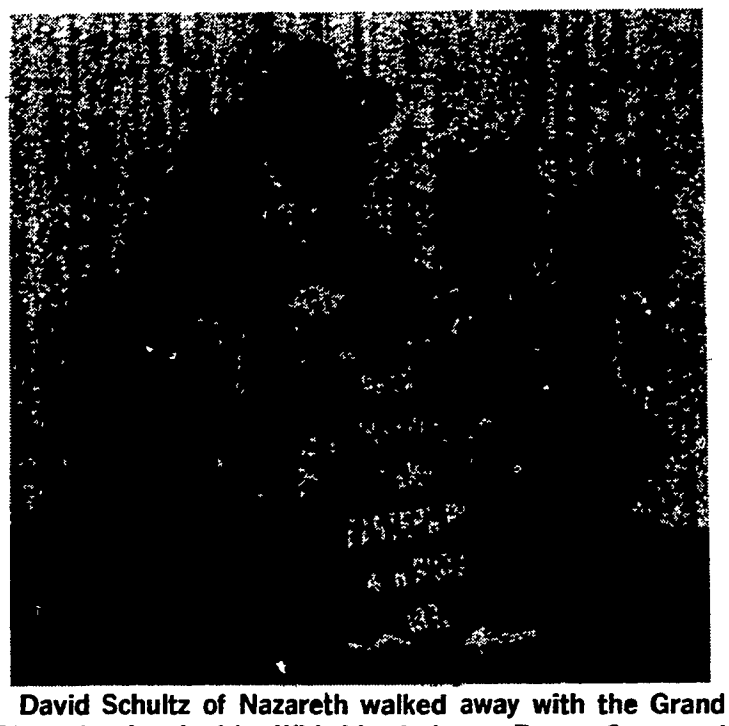
Marlyn Stroh

Lamb Pairs - Light Weight

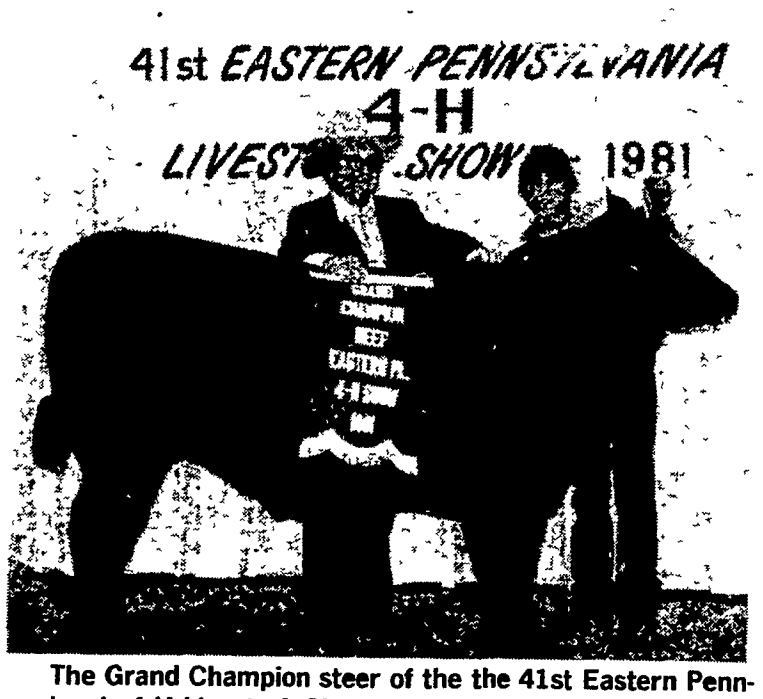
1 Susan Breininger New Tripoli Grand Champion Pair, 2 Ruth Grim Breinigsville Reserve Grand Champion Pair, 3 Gina Bittner Germansville 4 Diane Miller Lehighton 5 Robin Bear New Tripoli

Lamb Pairs - Heavy Weight

1 Joshua Grim Breinigsville 2 John Benitez East Greenville 3 Judy Schneider New Tripoli 4 Arthur Yoder Doylestown 5 Cheryl Almer Nazareth



David Schultz of Nazareth walked away with the Grand Champion Lamb title. With him is buyer Danny George of Bethlehem. The lamb, weighing 102 pounds, sold at $3.90 per pound.



The Grand Champion steer of the the 41st Eastern Pennsylvania 4-H Livestock Show was shown by Andy Wagner of Northampton County. The 1175-pound steer sold to Danny George of George's Foodliner in Bethlehem for $2.45 per pound.

See your nearest

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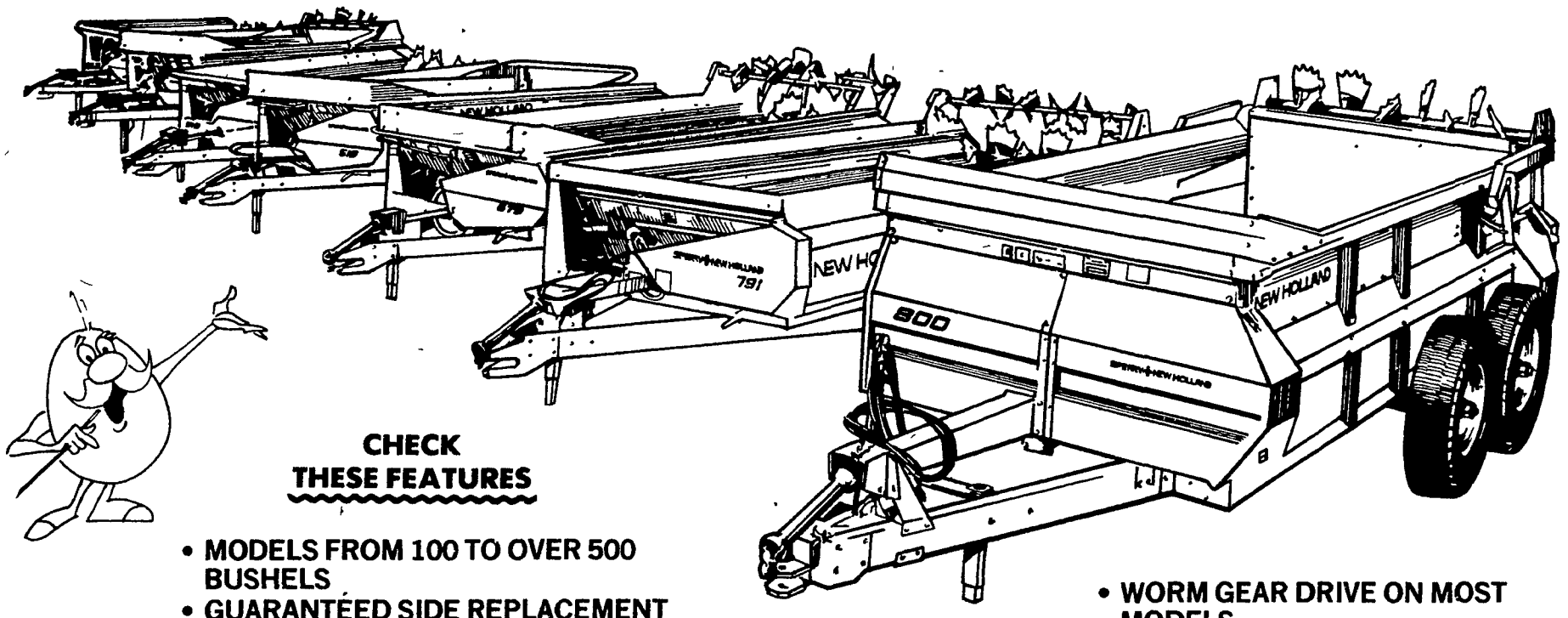

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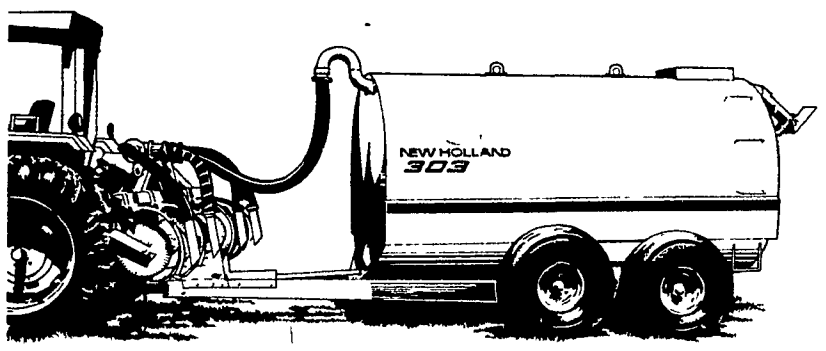
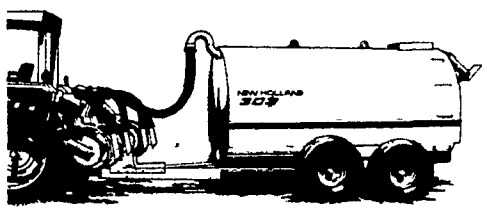
- GUARANTEED SIDE REPLACEMENT
- 100 LOAD LUBRICATION

- WORM GEAR DRIVE ON MOST MODELS
- OPTIONAL BEATERS, APRON CHAIN, LIQUID END GATE FINE MANURE PAN & SPLASH GUARD

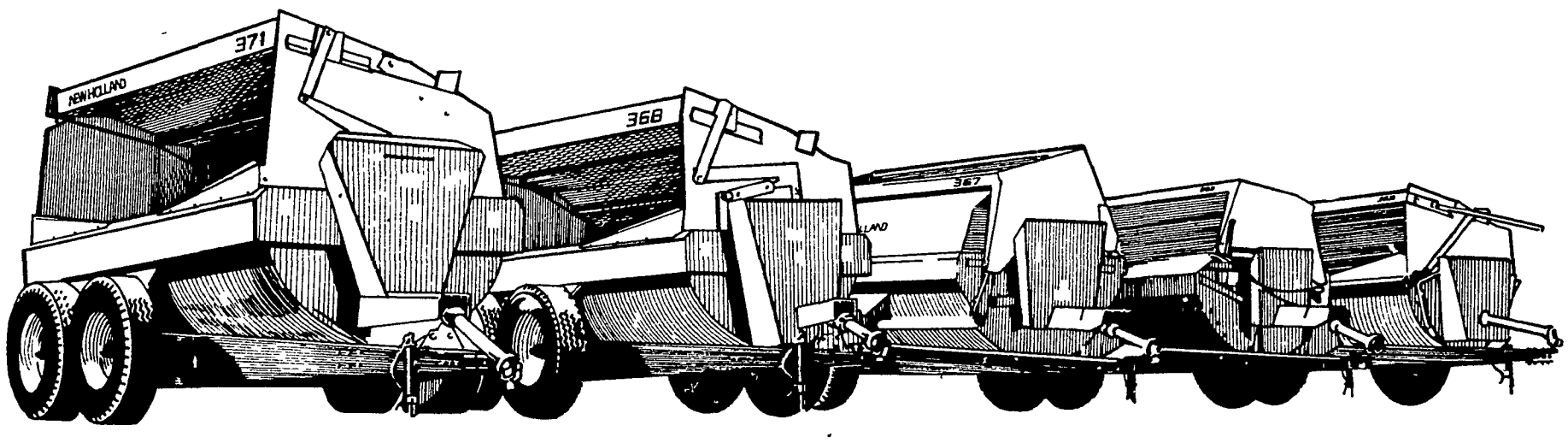


- STURDY FRAME DESIGN WHICH CARRYS TANK



OR THESE FEATURES:

- MODELS OF 2220 GALLONS AND 3264 GALLONS
- INJECTS OR BROADCASTS MANURE UP TO 40 FEET
- COPPER BEARING STEEL TANK



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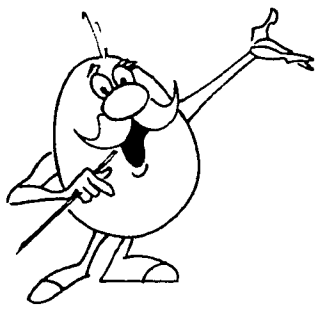


AND THESE FEATURES

- MODELS FROM 590 GALLONS TO 1420 GALLONS
- RIGHT OR LEFT HAND UNLOADING ON MOST MODELS
- GREAT FOR MOST ANY TYPE MANURE
- RUGGED COPPER BOARING STEEL CONSTRUCTION

60 Greenhands inducted into Grassland Environmental FFA

NEW HOLLAND — Sixty first-year Greenhands were recently inducted into the Grassland Environmental FFA during initiation ceremonies at the Eastern Lancaster County High School in New Holland.

Co-advisors for the Environmental FFA are vo-ag instructors Philip Ogline and Robert Lauffer.

In addition to the induction of the Greenhands, the program included recognition of chapter degree recipients and officers for the present school year.

Chapter degree recipients include Julie Hess, Jodi Carmen, Sharon Bowman, Julie Pry, Mike Weaver, Lamar King and Chuck Platt.

First officers include Karen Zerbe, treasurer; Sharon Bowman, secretary; John Sweigart, president; Maria Lorah, vice president; Marj Zimmerman, reporter; Mike Weaver, chaplain; Lamar King, student advisor; and Mike Kunkle, sentinel.

Second officers are Linda Good, treasurer; Julie Pry, secretary; Brian Hurst, sentinel; Chris Schnader, vice president; Christine Weaver, reporter; Julie Hess, chaplain: Julie Hollinger, student advisor.

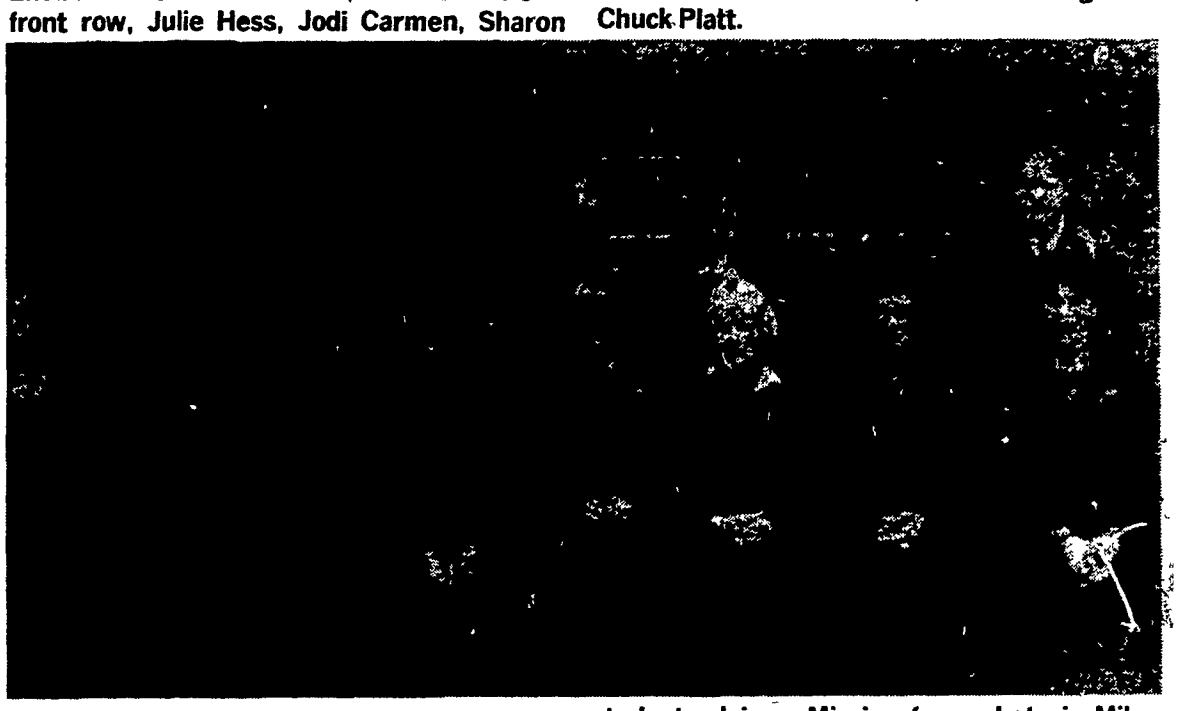
Greenhands honored during the ceremonies were:

Tony Edgell, Tracy Fox, Dave Fulton, Mandy Galligan, Randy Gangaway, Carol Horst, Doug Longenecker, Joel McComsey, Steve Yacona, Lucy Negron, Doris Sandoe, Scott Sweigart, Kim Zdrosky, Dave Brendle, Steve Diem, Ken Eckenroth, Julie Hess, Rody Kurtz, Jodee Miller, Shawn Mohler, Dean Moore, Shelby Patterson, Mike Saul.

Also, Chris Schnader, Richard Solbrig, Marci Ulrich, Lori Brown, Gina Black, Eric Buckwalter, Frank Daub, Wayne Eller, Sherri Martin, Penny Harmer, Brian Hartranft, Kevin Martin, Paul Wise, Cathy Patterson, Tammy Sauder, Paul Styer, Christine Weaver, Nicole Yoder, Aicardo Zapata, Jim Brenner, Deb Fritz, Linda Good, Eric Hartranft.

Also, Judy Hoffner, Angie Huber, Brian Hurst, Beth Lando, Dale Lorah, Lee Messner, Lisa Peters, Lori Rabold, Kathy Richardson, Kris Snader, Diane Stephens, Yvette Waidley, Tracey Carney and Michele Kuhn.

Chapter degree recipients of the Grassland Environmental FFA include, from the left in front row, Julie Hess, Jodi Carmen, Sharon Bowman and Julie Pry; and, from the left in back row, Mike Weaver, Lamar King and Chuck Platt.



Officer teams have been elected for the 1981-82 school year by the Grassland Environmental FFA.

First officers, from the left, front row, include Karen Zerbe, treasurer; Sharon Bowman, secretary; John Sweigart, president; Maria Lorah, vice president; Marj Zimmerman, reporter; Mike Weaver, chaplain; Lamar King, student advisor. Missing from photo is Mike Kunkle, sentinel.

Second officers, from the left, back row, include Linda Good, treasurer; Julie Pry, secretary; Brian Hurst, sentinel; Chris Schnader, vice president; Christine Weaver, reporter; Julie Hess, chaplain and Julie Hollinger, student advisor.

King, Weaver tops in wildlife contest

MIDDLE CREEK — Garden Spot High School's Grassland FFA captured team honors and sophomores Lamar King and Mike Weaver took the individual honors at the Lancaster County FFA Wildlife Contest on Nov. 18 at the Middle Creek Wildlife Management Area.

Son of Mr. and Mrs. Marvin King, of East Earl, Lamar was awarded a ribbon, first-place plaque, plus a $25.00 check from the Lancaster County Federation of Sportsman's Clubs.

The contest is open to FFA members in Lancaster County and involves the identification of bird, reptile, mammal, amphibian and fish species. Another part of the test includes identifying bird calls, wildlife foods, tracks and signs of wildlife. A 50-question exam on wildlife conservation and an evaluation of wildlife habitat completes the contest.

The top 10 teams, in order of finish, were Garden Spot, Warwick A, Warwick B, Elizabethtown B, Elizabethtown A, Manheim A, Elizabethtown C, Manheim B, Solanco and Manheim C.

The top 15 individuals, in order of finish, were Lamar King and Mike Weaver, both of Garden Spot; Dave Spoo, Warwick; Doug Roth, Warwick; Jay Maddox, Warwick; Mike Good, Ken Fanus, Tony Bevel and Chris Horne, all of Elizabethtown; Mike Pflieger and Mark Metzler, both of Manheim; Clay Shreiner, Warwick; Scott McIntyre, Warwick; Sharon Bowman, Garden Spot, and Russ Zellers, Manheim.

A total of 38 students competed.

Cedar Crest awards

LEBANON — Cedar Crest received a Silver National Safety Award and a Bronze National Chapter Award at the National FFA Convention in Kansas City, Mo. Members in attendance were Jeff Zuck, Dave Ludwig, Dwane Gish, Rick Houser, Scott Eckenrode, Dana Lape, Heidi Peiffer, and Harold Berkheiser, advisor.

Places visited included Purina Research Farms, Tipton FFA Chapter, TWA Overhaul Base, and Allis-Chalmers Gleaner Combine Plant.

Attend national convention

Winners of trips to the National FFA Convention from the Grassland Chapter at Eastern Lancaster County High School were, seated from the left, Scott Bailey, poultry judging contestant who won a bronze medal; Darlene Horning, farm management contestant who won a silver; and John Sweigart, State wildlife winner who served as observer since no national contest is held. Also, standing from the left, Kevin Devine, State FFA treasurer; and Craig Fox, meat judging contestant, who won a bronze. Missing from the photo is Glenn Hartz, ag mechanics, who won a silver.

The six convention words I remember most

(The following account of his first trip to the recent National FFA Convention was written by Mark Weber, reporter for the Grassland Chapter, Eastern Lancaster County High School, New Holland.)

What do I remember most about the National FFA Convention?

No, it's not the massive sea of blue jackets you see everywhere — from the streets of Kansas City to the seats of the huge general sessions.

And, it's not the famous places, such as Lincoln's home or Truman's library, that we visited.

Or the opportunity to talk with fellow FFA'ers from distant places, such as Puerto Rico.

While these and many more experiences will not be forgotten, the most memorable recollection can be summed up in six words.

"Never, never, never, never give up."

For I and the more than 23,000 other FFA members from throughout the nation, these six words were indelibly impressed on our minds by one of the main speakers, Dr. Norman Vincent Peale.

And Dr. Peale was quoting directly from one of the shortest speeches ever delivered by one of the greatest orators and statesmen of recent modern times, Winston Churchill.

Dr. Peale used the six-word speech by Churchill to illustrate his principal message that faith and perseverance are the two most valuable motivating forces.

I feel that this was a very important message for those of us who set goals in life and in the FFA.

Dr. Peale also told us that we are privileged to have been raised in the best families of America — farm families.

There were other important speakers, too.

I won't forget how Col. David Roeder, one of the Iranian hostages, explained his feelings concerning the American flag.

He told us of the warm inner feeling he got of the scene of the flag draped over the winning U.S. Olympic hockey team as compared to his witnessing it being burned by Iranian students.

Such a comparison gave me and the other FFA'ers a better appreciation of our country's flag.

And, Olympic swimmer John Naber gave us a good feeling, too, when he said:

"I want to affect the people who can affect the world."

But, in addition, there are many other things that stand out in my recollection of the trip.

We started out for Kansas City about 11 in the morning on Sunday, Nov. 8. After driving straight through to West Virginia, we stopped and relieved driving tensions by playing a little football.

Our first night was spent in Ohio at a Holiday Inn. Our first special visit of the trip was to the Air Force Museum, where we saw World War I and II planes and uniforms.

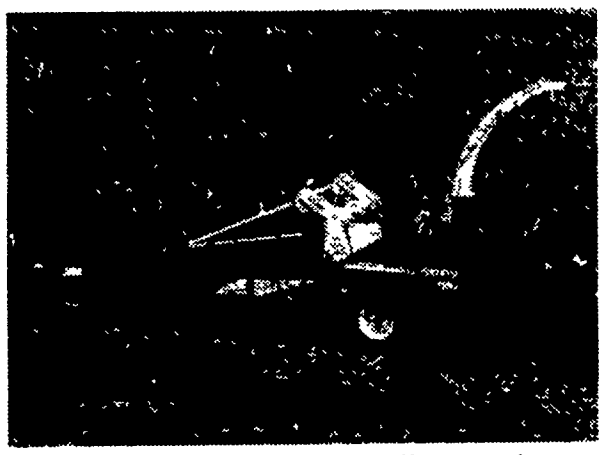
Why some of the tires of the planes were higher than I am tall!

Our next stop was Indianapolis and a visit to the Speedway. We saw a few of the winning cars. Do you know that the top speed of the first race in 1911 was 74 mph?

(Turn to Page B21)

HESSTON

The PRIME LINE



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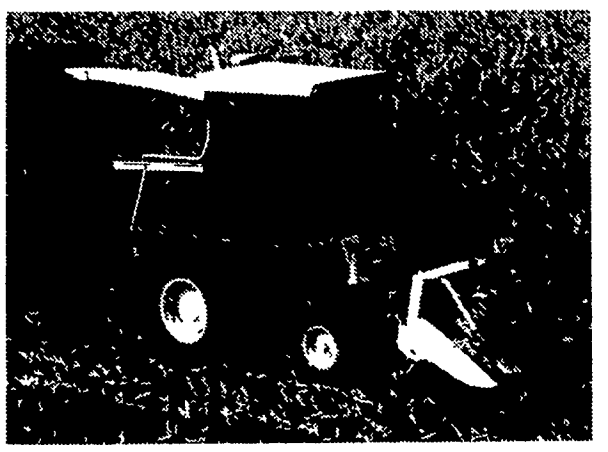

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New Jersey's Dietzman, Severino win scholarships

CHICAGO, Ill. — Two New Jersey 4-H'ers claimed $2,000 in scholarships at the 60th National 4-H Congress.

Selected for outstanding accomplishments in 4-H projects and activities were:

Cari Dietzman

A 17-year-old New Jersey girl, who learned how to pack perishable foods safely for her family's trips across this country and Canada, has been named one of six national winners in the 4-H food conservation and safety program.

Cari Dietzman, 4 Wolfe Drive, Somerville, received a $1,000 scholarship.

The six winners were presented their awards by Reynolds Metals Company, and program sponsor.

Dietzman, daughter of Mr and Mrs. Howard Dietzman, is a high school senior and undecided on a career. She is a nine year 4-H'er.

In her 4-H project, the Somerset County girl "learned how to pack foods and which types of food travel best. As my knowledge increased, we began traveling with perishables. I learned the conditions under which perishables must be kept."

The 4-H'er also has given a presentation on food poisoning. "I chose it as a topic for an illustrated talk because it was a subject that people knew little about. My presentation was very well received and captivated audiences. Everyone left wiser, healthier and safer with their new knowledge," she said.

She has prepared a food preservation and safety video tape that will be circulated regionally and then serve as a permanent reference in her school's archives.

Mark Severino

An 18-year-old New Jersey youth, who cooked the family dinner two or three times a week, has been named one of six national winners in the 4-H food-nutrition program.

Mark Severino, 27 Anderson Ave., Demarest, received a $1,000 schorlarship.

His award was presented by General Foods Corporation, sponsor of the 4-H food-nutrition program.

Severino, son of Mr. and Mrs. Anthony Severino, expects to attend the Culinary Institute of America beginning next February and plans a career as either a chef or in hotel and restaurant management.

The Bergen County youth cooked the family dinner because his mother had returned to college and her class schedule made it impossible for her to do it. "I always enjoyed cooking and had been cooking for about three years prior to this," he said.

The five-year 4-H'er made a decorated cake in the shape of baby booties and titled it "Shower Surprise" for the county favorite foods festival.

The youth has been working as a night chef at a restaurant to get some experience. He also started an assortment of cookies, cakes, candies and pastries to give as Christmas gifts to friends and relatives.

The 4-H'er also have appeared twice on television to demonstrate a summer dessert and a chicken casserole he had created.

Four from Delaware win nat'l awards

NEWARK, Del. — Four Delaware 4-H'ers won $1000 scholarships at the 60th National 4-H Congress held in Chicago, this week.

Christopher T. Kirk, 16, of Laurel, won a scholarship sponsored by International Harvester Co. for his agricultural project.

Lisa Clark, 18, of Greenwood, won a scholarship sponsored by John Deere for her project on the conservation of natural resources.

Jacalyn F. Taylor, 15, Seaford, won a scholarship for her food preservation project. It was sponsored by Kerr Glass Manufacturing Corporation.

Raymond T. Vincent, Jr., 17, of Laurel, won Weyerhaeuser Company Foundation's scholarship for his wood science project.

The Delaware teens were selected for outstanding accomplishments in 4-H projects and activities, leadership development, personal growth, and community and civic responsibility.

Raymond Vincent

Jacalyn Taylor

Lisa Clark

Christopher Kirk

Raymond Vincent

To most teens, wood science means a slightly crooked table built in the school shop. But wood science national 4-H winner Raymond Vincent has built skateboards, bleachers, farm buildings, and the lion's share of his great-grandmother's house.

Now a senior at Laurel Senior High, Raymond first became involved in 4-H in early childhood when his older brother joined. Following in the footsteps of his father, who is a farmer, lumberyard manager and former cabinetmaker, Raymond's main 4-H projects have been in the woodworking and agricultural fields. He learned woodworking at a very early age by watching and helping his father.

Raymond's first successful projects were skateboards, which he designed, built, and sold to friends. He followed up with a skateboard ramp, where they all spent many happy hours perfecting their skills.

Since that time he has made a chess table, a gun cabinet, and a very realistic replica of a shotgun.

Raymond ran this year's state woodworking judging contest, and coached his county's team. In previous years he has had a number of different livestock projects.

Agriculture, wood science, and 4-H each have a place in Raymond's future. He plans to use his scholarship money toward college, where he will major in agricultural engineering. He's looking forward to a career in agri-building and farming, and he has also decided to become a 4-H leader.

Jacalyn Taylor

Jacalyn Taylor was a baby when her mother organized the Seaford Blue Jays, the town's first 4-H club. 4-H has been a big part of her life ever since. Not only was Jacalyn named a national winner this year, but her older sister was a national winner four years ago.

Jacalyn started out in the 4-H gardening project. At that time her older sister was specializing in home canning, and they worked out a productive partnership. Jacalyn grew the food and Karen canned it. But when Jacalyn saw her sister winning prizes for her canning projects, she decided that she, too, wanted to learn how to can the foods she grew.

Now Jacalyn knows how to can twelve kinds of food and freeze seven. Between her 4-H gardening and canning projects, she figures she is able to save her family almost $300 per year in food costs.

Jacalyn has held most of the offices in her 4-H club, from reporter to president. She found out that leadership is not all glory, but there are rewards for a job well done. The $1000 scholarship from Kerr Glass Manufacturing Corporation is an especially nice reward that she'll use to begin study toward a career as a pediatrics nurse.

Lisa Ann Clark

Preserving the natural environment has always been important to Lisa Ann Clark, whose 4-H conservation project has made her a national winner. A nine-year member of 4-H, Lisa is a student at Terry Campus, Delaware Technical and Community College.

As part of her conservation project, she researched the costs of various fuels. When her family built a new home, she was able to show them that the addition of insulation and a wood stove would save them $1000 per year in heating costs.

Knowing that wood is a renewable resource, Lisa led other young people in planting 2,500 trees. She also has built and maintains bird-feeding stations.

She keeps very busy with two horses, three dogs, and two parakeets, a part-time job, and Sunday school teaching in addition to her studies and club work.

An outdoorswoman who enjoys photographing the natural world, Lisa worries about the world of the future. But through 4-H, she's taking steps to protect it. "To me," she says, "conservation means I care."

Christopher Kirk

Christopher Kirk, of Laurel, who has built up a herd of registered Poland China swine and sells to other pork producers, has been named a national winner in the 4-H agricultural program.

Kirk, son of Mr. and Mrs. Willis L. Kirk, is a high school junior and plans a career in farming. He is a five-year 4-H'er.

The Sussex County youth has been striving to reach a 15-sow herd and to better regulate breeding. "I have learned that breeding takes a great deal of time, money and effort," he said.

He has found "raising purebred pigs can bring in more money per hog than crossbreeds, but also requires more investment and more detailed record keeping of statistics." Being one of the few breeders of Poland Chinas in his area should be an advantage.

His other projects have included field crops and leadership.

Two Maryland 4-H'ers

CHICAGO, Ill. Two Maryland 4-H'ers claimed $2,000 in scholarships at the 60th National 4-H Congress here this week.

Maryland's national winners, were.

Alan Gravenor

A 17-year-old Maryland youth, who creates new toys and games as he works with younger children in child care projects, has been named out of nine national winners in the 4-H achievment program.

Alan Gravenor, 304 N. Camden Ave., Fruitland, received a $1,000 scholarship.

His award was presented by the Ford Motor Company Fund, sponsor of the 4-H achievement program.

Gravenor, son of Mr. and Mrs. Norman Gravenor, is a high school senior.

The Wicomico County youth has been a junior teacher at his local Bible School and enjoys creating toys, games and scrapbooks for the youngsters. He also has worked with other young people in his community in his child care project.

The youth has excelled in a number of 4-H projects. His food preservation project has saved his family quite a bit of money. He began with one pint of relish and this year canned over 100 jars of fruit, vegetables and pickles. "I even learned to do marmalade this year," he said.

Alan also has been involved in wood science, food-nutrition and home environment projects.

Betty Moreland

A 19-year-old Maryland girl, who redecorated her bedroom, kitchen and a half-bath, has been named one of six national winners in the 4-H home environment program.

Betty Moreland, 307 East Hawthorne Drive, La Plata, received a $1,000 scholarship.

Her award was presented by The S&H Foundation, Inc., sponsor of the 4-H home environment program.

Moreland, daughter of Mrs. Mary Susan Moreland, is a sophomore at Charles County Community College in La Plata.

The Charles County girl became interested in the home environment program after her older brother and sister moved out of the family home, "leaving me a room to myself. I wanted that room to be an extension of me."

My bedroom was small, with a dormer, two heat vents of varying heights in the wall, a giant off-center window area and three doors, all overcast by a sloping Cape Cod ceiling," she said.

She decided to hire a carpenter to remove a wall to give her more floor space. Then she wallpapered all of the walls, "even those sloping ceilings," She covered one of the dormer walls with mirror tiles to brighten the room.

Then she made draperies, refinished an old cricket chair, installed a bi-fold louvered door and made a sewing table and refinished a sewing chest. To complete her room, she installed shelves, made a bedspread, cleaned and rewired an antique brass lamp and set up a filing system "to keep me organized."

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Farm Credit honors Brown

YORK — Mrs. Peggy Brown, of the Farm Credit Associations of York, was honored with the Distinguished Service Award at the annual stockholders meeting of the Farm Credit of Baltimore on Nov. 12.

The award, presented by Glenn Stevens, senior vice president, was for significant contributions toward the accomplishments of the Institution's objectives and for maintaining high standards of performance.

Mrs. Brown started her employment at Farm Credit Associations of York in July, 1964, as an Office Assistant. She was promoted to Office Manager in April, 1974, and most recently, was promoted in October, 1981, to Associate Manager, Finance and Administrative Services. Peggy and her husband, Sam, reside at 1967 Walnut Bottom Rd., Carlisle.

The York Associations consist of the Land Bank and Production Credit Associations. The Associations are affiliated with the Farm Credit Banks of Baltimore (FCBB), part of a nationwide Farm Credit System. The FCBB is the leading agricultural lending institution serving Pennsylvania, Maryland, Delaware, Virginia, West Virginia, and the Commonwealth of Puerto Rico.

Peggy Brown

Ag mechanics team places 24th

MANHEIM — A team of Lancaster County students competed in an agricultural mechanics contest during the 54th National FFA Convention at Kansas City, Mo.

The team representing the state of Pennsylvania included Glenn Hartz, of R1 Morgantown (Eastern Lancaster County School District); Jim Malone, of R1 Washington Boro (Penn Manor High School); and John Stepanchak of R1 Columbia (Manheim Central High School). The team finished 24th out of 43 competing teams and earned a silver emblem award.

The National Agricultural Mechanics contest is designed to test knowledge and skills of agricultural mechanics. Contest activities include solving agricultural mechanics problems, demonstration of shop skills and a written examination in such areas as soil and water management, farm power, farm machinery, carpentry and concrete.

Funds provided by Firestone Tire And Rubber Company through the National FFA Foundation, Inc., helped offset administrative expenses of the contest and provide awards and travel money for contestants.

Twin Valley inducts Greenhands

ELVERSON — During a recent in-school meeting new members were inducted into the Twin Valley chapter of the Future Farmers of America.

Accepted into membership as Greenhands were the following vocational agriculture, forestry, and horticulture students: Joe Nonnemaker, Clark Schnable, Dave Naples, Greg Raser, Daryl Simmons, Dave Goodhart, Chris Werner, Rod Stoltzfus, Chris Coblentz, Mike Kline, William Reiff, Tim McEwen, Chuck Plank, Brian Toy, Mary McMullen, Bill Brinton, Tim Watkins, Mike Snyder.

During the induction ceremony greenhands were reminded that this is merely the first step in their FFA career and should be used as a stepping stone towards higher degrees and awards. They are also reminded of the importance of American agriculture in feeding the world and its importance to our national economy. Members are encouraged to set high goals for themselves and then work towards these goals.

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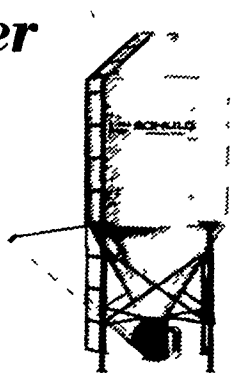

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Sheypuks prove production better by the dozen

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Shey-land Farm is the home of the highest producing herd in Lackawanna County. Owned and operated by two brothers, George and Paul Sheypuk, the registered Holsteins have topped the county DHIA for the past 12 years.

George, left, and Paul, right, Sheypuk flank one of their promising young Holsteins, Shey-Land Danielle. The 3-year-old Round Oak Apollo Virginian daughter finished her first Lactation at 19,000 pounds of milk.

BY DONNA TOMMELLEO

JERMYN — In 1970, the brother dairying duo of George and Paul Sheypuk climbed to the top of the Lackawanna County DHIA with a completed record of 15,792 pounds of milk and 569 pounds of fat.

Two years ago county agent Tom Jurchak presented a plaque to the Sheypuks for 10 consecutive years at the top of the county's DHIA list.

Today the Lackawanna County Holstein breeders still remain in the number one spot — an honor they've claimed for the last dozen years.

The Sheypuks completed year number 12 at 21,117 pounds of milk and 812 pounds of fat on 62 cows.

"They've broken all our records," Jurchak reports.

The groundwork for the record-breaking dairy began 26 years ago when the brothers began farming the 160-acre Shey-Land Farm.

In 1960, the Sheypuks began DHIA testing and were well on their way to achieving one of George's goal — to top the county DHIA.

Shey-Land's success with brimming bulk tanks can be attributed to two major factors according to Goerge — feeding and breeding.

"We try to make the best quality forage we can," explains George. Out of the 160 acres, 50 acres are planted in alfalfa. Another 50 acres contain a mixed hay and the remaining 60 acres include corn.

A year-round ration for the high producing Black and Whites includes first cutting alfalfa throughout the day and second cutting before the herd during the night. The Sheypuks hand-feed for 80 pounds of milk daily which calls for a diet of 30 pounds of 20 percent protein grain per head per day.

In the course of the day the registered Holsteins consume up to 40 pounds of corn silage.

Dry cows receive the poorer quality hay as well as small amounts of grain and silage.

At birth, the Shey-Land calves are immediately fed a bottle of the dam's colustrum and receive a scour vaccine. Until recently, calves were housed in the main barn in individual stalls but a bout of coughing prompted the Sheypuks to install outside hutches.

For the next three weeks, the young replacements thrive on sour colustrum supplemented with good quality hay and grain. Weaning takes place at two months of age when the calves are consuming about five pounds of grain a day.

Replacements that milk less than 17,000 pounds of milk the first lactation usually have stand-by status at Shey-Land. In the mature animal, George says he prefers classification scores at least in the Very Good range and a completed lactation of 25,000 pounds of milk with a 4.0 test.

However, many of the big strong Black and Whites leave the herd as valuable stock. George and wife Dee estimate that 40 percent of their income is generated from merchandising.

"I like to buy a cow once in a while, also," George admits. One such purchase, Sterling Gold Zeus Sherry just finished her 5-year-old lactation with 33,159 pounds of milk and 997 pounds of fat. The 90 point Excellent Pappy Zeus daughter is due this month to Valiant.

Over the years, cow sales have not only provided the Sheypuks with valuable additions, but a valuable breeding tool, also. George explains that sales give him (an avid sale-goer) a chance to see daughters of certains bulls and exhange usefui information with other breeders.

But while sales are usually one day affairs, the Sheypuk breeding program spans generations.

"We really believe in depth of pedigree and strong cow families," notes Goerge.

The A.I. duties of the herd are shared by Paul and George. The brothers consult USDA Sire Summary Red Book when choosing a bull. Because of their large amount of merchandising, the Sheypuks look toward popular bulls with high resale value.

The heifer lot presently includes nine Valiant daughters, eight Arlinda Chief daughters and eight Elevation daughters.

A 10-year-old Lucky Typeblazer daughter may very well be one of the reasons the Sheypuks keep topping the county DHIA. Shey Luck Grace, out of a Kingpin daughter finished the year with 34,475 pounds of milk and 1,771 pounds of fat which totals her last six lactations at 181,289 pounds of milk and 8,461 pounds of fat. Grace is due early next year to Straight-Pine Elevation Pete.

Unless the Sheypuks add a new bulk tank in readiness for years 13, 14 and so on, there are no plans for expansion.

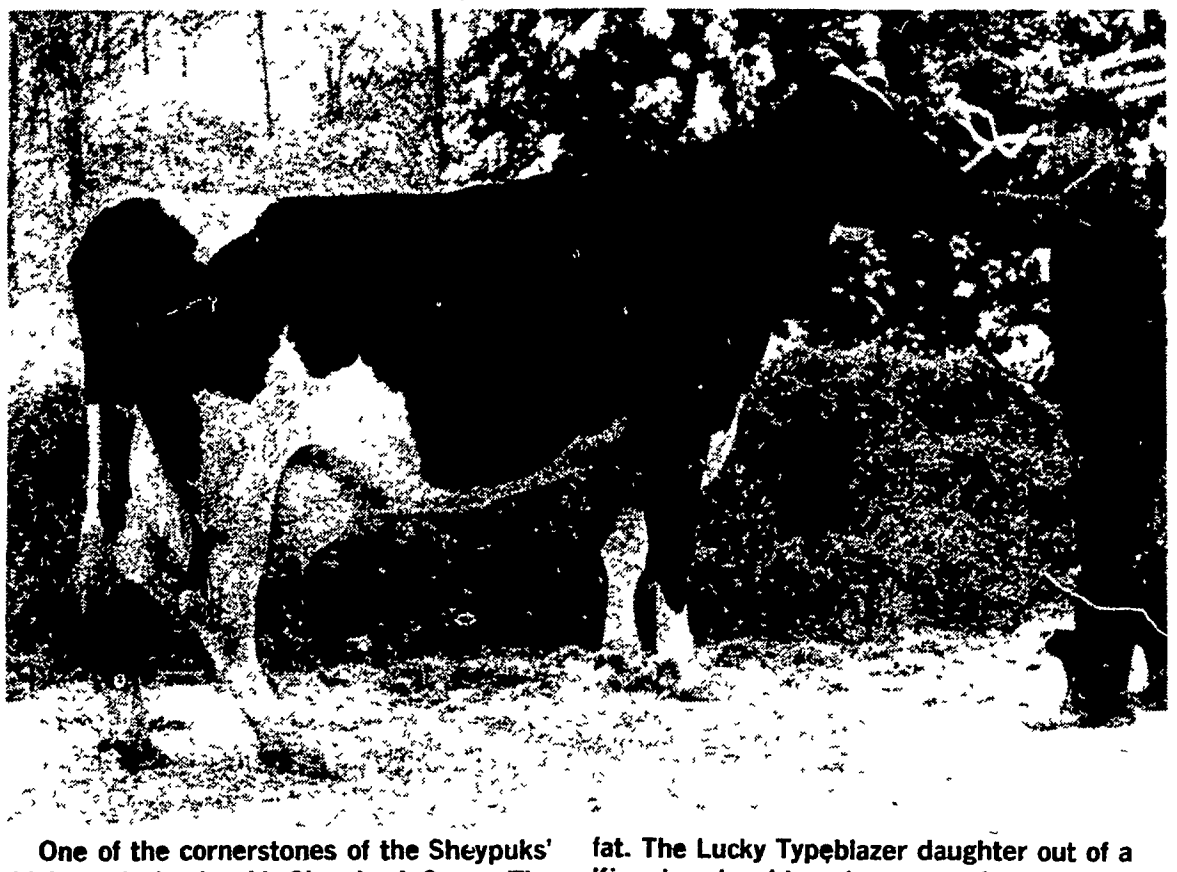
"I would like to have a nice piece of pasture," George admits, "but we don't have the land." However, the herd is turned out every morning in an exercise lot.

Not suprisingly, the volume of milk generated at Shey-Land plus the promotion of dairy products is a point of concern for the two families, whose farm has been the subject of several educational tours.

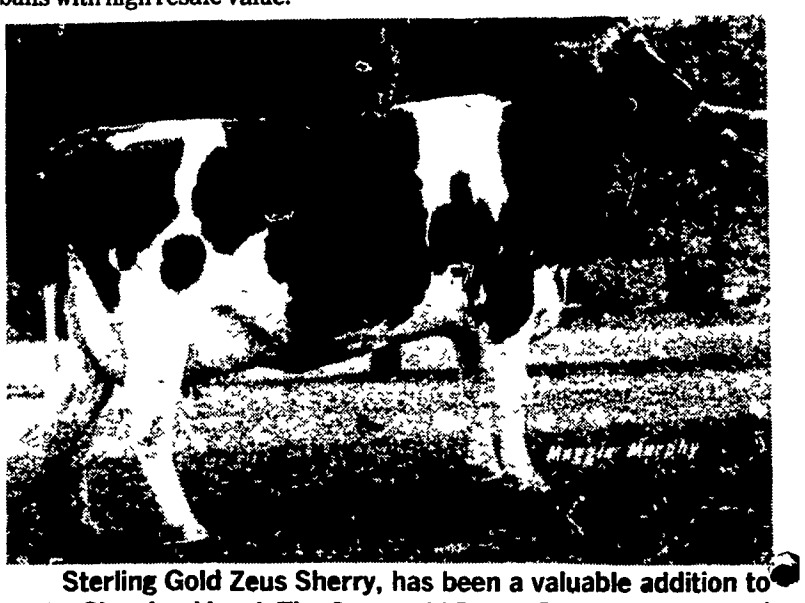
"I think people are really interested in the dairy industry," Dee comments, "All we need is a little more promotion."

As the mother of two pre-school girls, Dee watches her share of childrens' shows on television. One such show, Dee explains, featured

(Turn to Page B22)



One of the cornerstones of the Sheypuks' high producing herd is Shey Luck Grace. The 10-year-old just completed a lactation with 34,475 pounds of milk and 1,771 pounds of fat. The Lucky Typeblazer daughter out of a Kingpin daughter is currently bred to Straight-Pine Elevation Pete.



Sterling Gold Zeus Sherry, has been a valuable addition to the Shey-land herd. The 6-year-old Pappy Zeus daughter bred to Valiant, just finished a lactation at 33,159 pounds of milk and 997 pounds of fat.

Reporter gives views on first national convention

(Continued from Page B16)

On Tuesday, Nov. 10, we saw both Abraham Lincoln's home and that of Mark Twain. It was really interesting to be able to see the homes of two such famous Americans all on the same day.

From there, we drove to Kingston, Mo. and stayed overnight at the farm of John Campbell, who graduated in the vo-ag program at New Holland in 1964. He moved to Missouri in 1972.

The boys slept in the farm's machine shed and the girls in the van.

John grows corn, soybeans and milo for cash crops. We saw the large-grain bins on the farm for storage until the market is best for selling.

The land looked about the same as northern Pennsylvania with a lot of terraces and the fields are large and contoured.

We finally arrived at the Convention Center about 2 in the afternoon and registered.

Our first event was touring the National Agriculture Show and seeing the many displays by seed companies, milk companies and breeding associations.

On Wednesday evening, we attended the Vesper Service, which had as its topic "Signs of Life."

Thursday morning, November 12, we returned to the Convention Center very early in order to get good seats for the speech by Col. David Roeder.

After his talk, freedom had a new meaning for me.

Our chapter then headed for the Truman Library. We saw such things as two of his cars and many posters, buttons and stickers from his presidential campaign.

On Thursday evening, we were all impressed with the "Stars Over America" pageant, in which the Star Farmer and Star Agribusinessman are honored from the ranks of the American Farmers.

We all watched for the Eastern Regional Star Agribusinessman David Wenger, of Myerstown, who lives the closest to us back home.

On Friday, Nov. 13, the speech by Dr. Peale was the most impressive. That evening we didn't attend the convention session, but everyone from our chapter went out for something to eat.

After John Nabor's speech on Saturday morning, we attended the rodeo and returned to the convention center for the planned activities.

Another speech I recall was that of Mark Herndon, who was retiring as FFA president. He told us how his family supported him during his travels and his public speaking engagements.

Then, we moved on to David Kulp's home, an uncle of one of our chapter members. We stayed there overnight.

After one final visit to the archway in St. Louis, we headed back home, returning Monday evening, Nov. 16.

It was a trip I won't forget. But particularly those six words:

"Never, never, never, never give up."

I'll keep them in mind always as I continue in FFA and in farming.

Mark Weber, second from left in front row, sits with fellow members of Grassland Chapter, Garden Spot High School, New Holland at one of general sessions of the 54th Annual National FFA Convention in Kansas City. Mark serves as reporter for the Grassland Chapter.

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FFA holds trap shoot

LEBANON — Cedar Crest FFA recently competed aagainst Annville-Cleona FFA in a trap shoot at the Palmyra Sportsmen Club.

High scorers from Cedar Crest FFA were Kirk Juliani with 19 hits, and Rodney with 15 hits.

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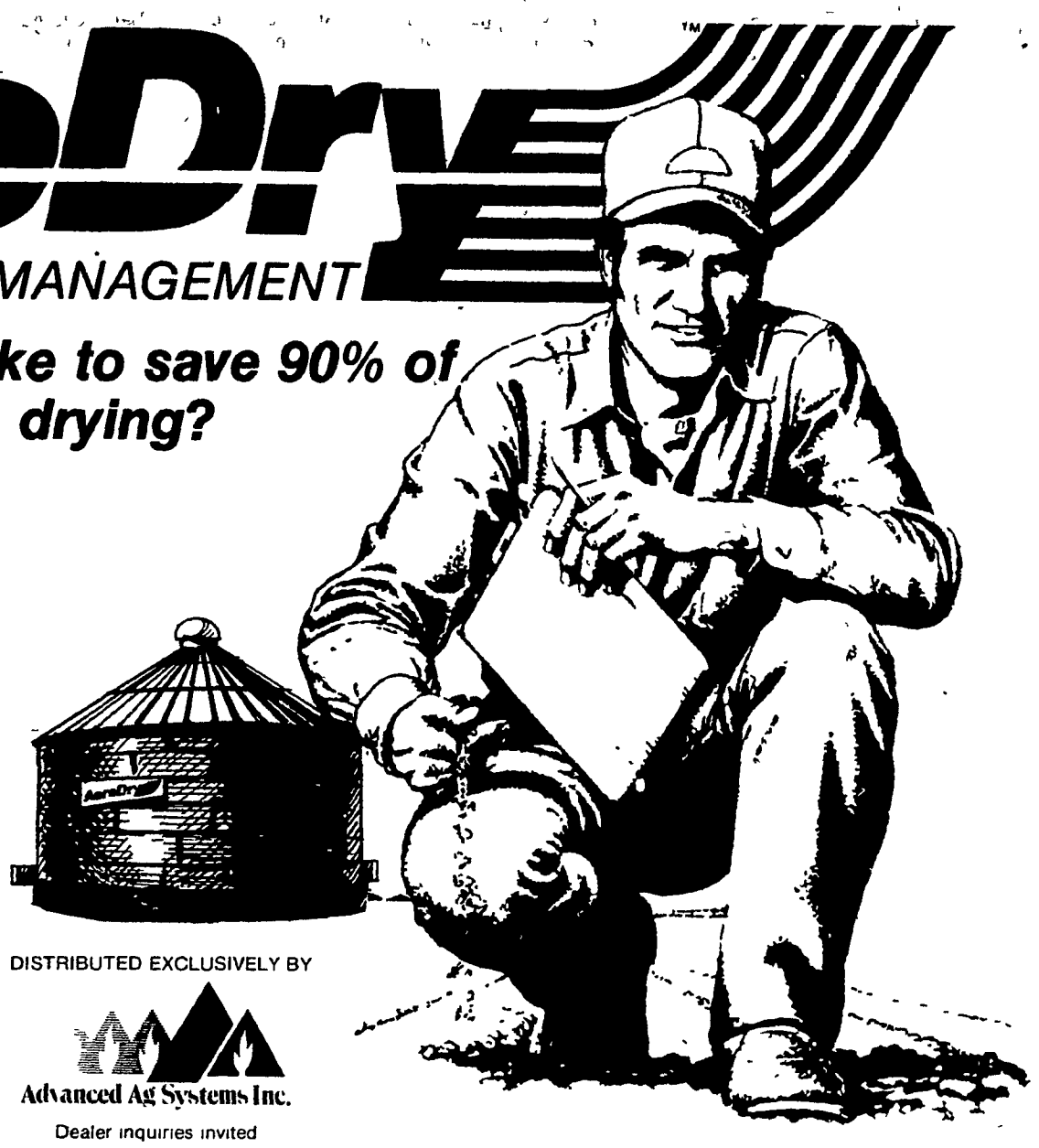

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Penn State solves silo fire problem

UNIVERSITY PARK — In a discovery of major importance to farmers, Pennsylvania State University researchers have learned how to extinguish silo fires, reports James T. Knight, president of the International Silo Association, with headquarters in Des Moines, Iowa.

"Before William Arble and Dennis Murphy demonstrated it could be done, we really didn't know how to put out silo fires," says Knight. "In most cases, it was only possible to protect nearby structures and animals, and allow the silage to burn itself out.

"Since we described their technique last March in our Silo Operators Manual, it's been used at least five times to extinguish silo fires. Previously, there would have been but a remote possibility of dousing such fires."

The technique was developed over the last four years by Arble, a fire technology specialist, and Murphy, an Extension safety specialist and assistant professor of agricultural engineering.

"Silo fires are self-igniting," says Mr. Arble. "They result from heat build-up during fermentation of the silage. Unlike most fires, those in silos burn slowly. The silage—chopped corn or hay used as livestock feed—is packed firmly, leaving little air to fuel the fire.

"The problem: such fires begin somewhere below the surface of the silage. They spread slowly causing hot spots throughout the silage.

"We needed some way of pinpointing the hot spots, and of getting water in there.

"By trial and error—and, perhaps, an extraordinary run of luck—we learned what to do. Our technique is ridiculously simple. We don't know why someone didn't try it sooner."

Their innovation: a combination heat probe/water sprinkler.

A narrow one-and-one-half-inch-long perforated metal point is attached to a three-inch connector. This is attached to one or more sections of long, thin pipe. An electronic temperature sensing device, wired to an external digital indicator, is slipped down the pipe to the tip.

"The gadgets, several feet long, is thrust repeatedly into different parts of the silage, and temperature readings are recorded," says Murphy. "You keep probing, searching for temperatures above 140 degrees Fahrenheit. That appears to be the danger point."

When suspicious spots are located, the temperature probe is slid up the pipe. A hose is attached to the outermost end of the pipe. Sometimes, even a garden hose can be used, since little water pressure is needed. Flowing from the perforated tip buried deep in the silage, water extinguishes localized fires in a few minutes. The procedure is repeated until all suspicious areas have been found and fires extinguished.

"Thus far," concludes Mr. Arble, "we've had a 100 percent success rate. Many of the fires we extinguished ourselves. For others, however, we gave directions over the telephone, and local firemen were able to put them out."

Sheypuk

(Continued from Page B20)

a modern dairy operation, which proved to be quite interesting.

However, Dee says she became infuriated when watching a TV commercial which depicted a milkman promoting a non-dairy creamer. It almost seems that for every forward step dairy promotion takes, phony-food advertising sets it back another two.

But the Sheypuks — George, Dee and their two girls, Paul, Diane and their two boys — keep advancing — the DHIA record speaks for itself. And although the number 13 might be unlucky for some, it's a safe bet the Sheypuks won't be avoiding black cats or broken mirrors as they strive for the number one spot next year.

Rudy wins corn contest

LEBANON — The Cedar Crest FFA participated in the Lebanon County FFA Corn Contest held November 19 at Cedar Crest High School. Those who participated from Cedar Crest were Bob Bomberger with fifth in yield and second in quality, Steve Wenger with third in yield and fourth in quality and Mark Patches with second in yield and seventh in quality.

The judge for the contest was David Heagey, an area seed salesman and farmer. When Heagy judged the ten ears of corn from each entry, he was looking for the following characteristics — bright yellow color, uniformity of ears, straight rows, large size freedom from mold and other marks and full ears.

Jim Rudy of Northern Lebanon High finished first in yield with 170.5 bushels per acre, and in quality, too.

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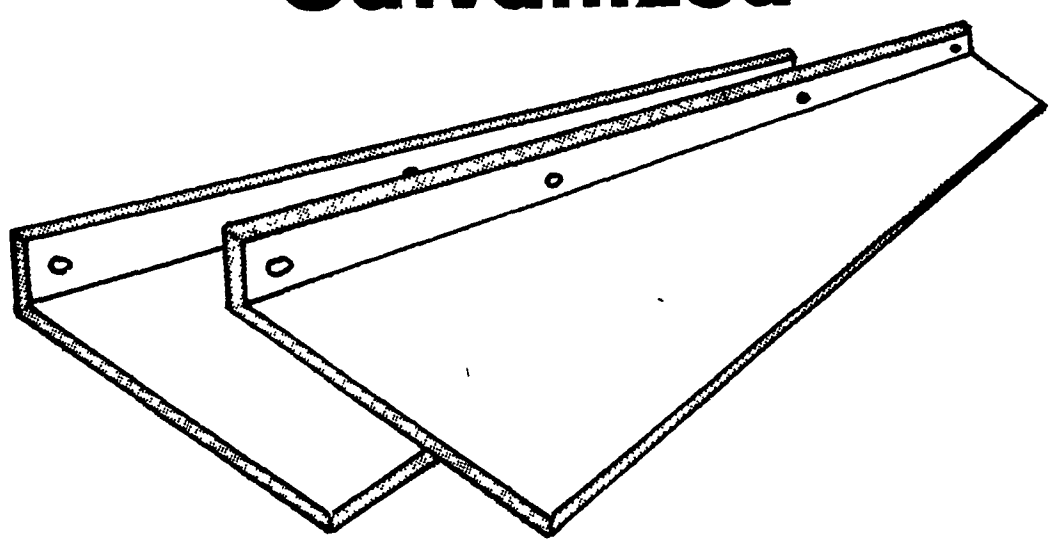

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World-record corn grower still harvests eye-opening yields

SCHOOLCRAFT, Mich. — Roy Lynn, Jr., the Schoolcraft, Michigan, farmer who set the world corn yield record in 1977, harvested a 260-bushel per acre yield this fall.

Lynn's yield was considerably less than his record-breaking 352 bushels, but still a respectable yield in anyone's book. He said he wasn't expecting to harvest much more than 200 bushels per acre this fall.

Lynn has abandoned trying to achieve super-high yields, but he's applied the lessons he learned breaking the record to the year-in, year-out business of corn growing.

Whereas the yield record came after a concerted effort and three years of trial and error, Lynn's big harvest this fall resulted from his usual corn production practices.

Lynn's 260-bushel yield came from a one-acre check where the soil is considerably heavier than the field where he got the record in 1977. The heavier, clay-like ground tends to limit corn's ability to produce to the fullest.

"This black soil doesn't breathe as easily as the sandy soil where we harvested the record yield," Lynn said. The 32-year-old farmer sold the land where he set the record, opting to devote more time to raising 1,800 head of market hogs per year.

Lynn planted DeKalb XL-55a on May 2, at a rate of 32,000 seeds per acre. Before planting, he applied some nitrogen, potash and phosphate, plowed and then leveled the field with a wheel drag.

He used atrazine and Lasso at planting for weed control and Furadan to keep insects in check.

As with the world record yield, Lynn applied the majority of the crop's nitrogen through an irrigation system.

Says Lynn, "If you put all the nitrogen out at the same time, it leaches, especially if there's heavy rainfall. By putting the fertilizer on gradually through the irrigation system, the plants can better utilize the nitrogen."

All told, 283 actual pounds of nitrogen per acre, 80 pounds of phosphate and 136 pounds of potash constitute the fertility program.

The weather, always an unpredictable variable in corn production, played into Lynn's hand this year.

"1981 was almost a perfect year for irrigated corn growing," he noted. "It was hot and there were a lot of clear days that gave the crop all the sun it needed to produce."

Still, he said he didn't expect 260 bushels per acre. "I was hoping to get more than 200 bushels," Lynn said, "But I wasn't looking for anything spectacular."

The 25-acre field where the 260 bushel yield was taken also produced a 230-bushel check and averaged 192 bushels per acre over the entire acreage.

At harvest time in October, Lynn noted that the crop was standing well, a must when corn is planted at high population. "XL-55a stood like a tree," he said. "And the ears were high off the ground which helps us keep the combine head up off the rocky ground we farm."

For next year, Lynn plans to keep his corn production mostly unchanged. "I'm going to keep about the same system," he said. With Lynn's track record, who would argue?

N.Y. co-ops contract dairy and food consultants

CANTON, N.Y. — The Allied Federation of 17 cooperatives recently announced they engaged the services of York and Associates, a Dairy and Food Consulting Firm.

Francis Laurin of Chazy, New York, the President of Allied said "we are pleased to have the addition of York and Associates to help assure our cooperative membership the kind of services necessary in today's complicated dairy industry of the northeast and Washington, D.C. Mr. John York who heads up his firm is an experienced and respected dairy leader and will bring strength to our organization."

Allied member cooperatives market approximately ¾ billion pounds of milk annually from dairy farms located in Central and Northern New York. The milk is utilized for Fluid and Manufacturing uses and is all priced under the terms and provisions of Federal Milk Order 2, New York-New Jersey and Federal Order 1 of New England.

York and Associates maintain offices in Lewisburg and Washington, D.C. They are a consulting group who provide professional services dealing with government regulatory programs, legislative and milk hearing representation, milk supply contract developments, commodity price evaluation, and market trends.

Allied Federation covers a large region of New York state and milk sales are made throughout the Northeast. York and Associates is also a regional firm and will compliment the activities of the federation.

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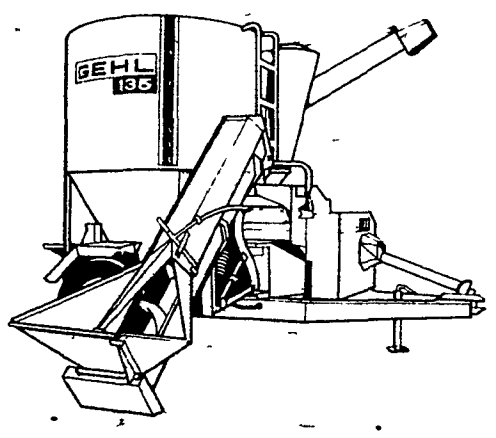

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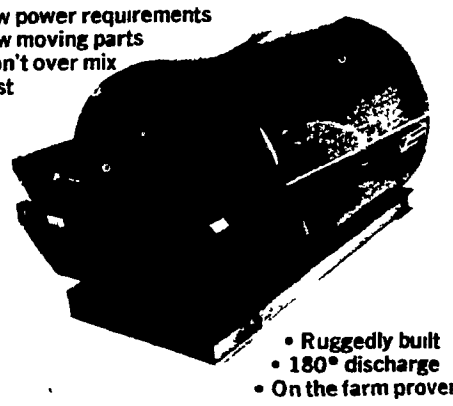

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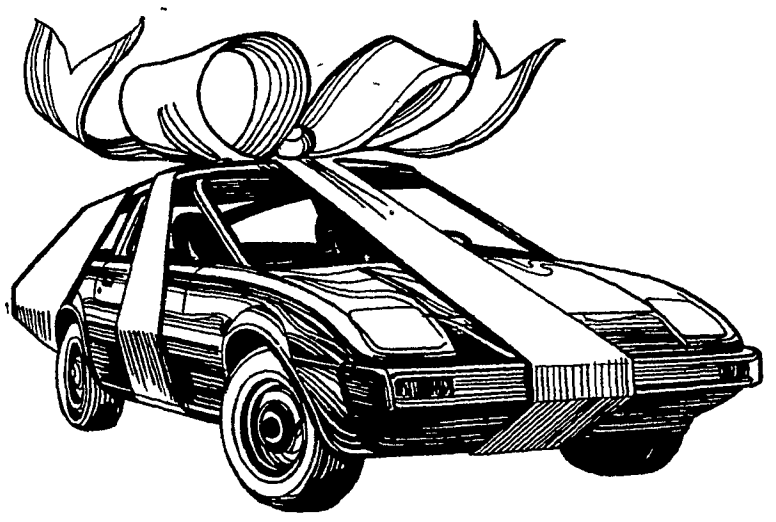

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Pennsylvania 4-H'ers

National winners share $7000 in scholarships

CHICAGO, ILL. — Seven Pennsylvania 4-H'ers claimed $7,000 in scholarships at the 60th National 4-H Congress here this week. Each was named a winner in programs by National 4-H Council and supervised by the Cooperative Extension Service.

Selected for outstanding accomplishments in 4-H projects and activities, leadership development, personal growth and community and civic responsibility, 285 winners nationwide and in Puerto Rico, shared $265,000 in eduational grants.

Pennsylvania's national winners were:

Tom Reyburn

A 17-year-old Pennsylvania youth, who used a puppet show to teach conservation to children, has been named one of six national winners in the 4-H conservation of natural resources program.

Tom Reyburn, 449 Orlando Ave., State College, received a $1,000 scholarship.

His award was presented by John Deere, sponsor of the 4-H conservation program.

Reyburn, son of Mr. and Mrs. Jerry Reyburn, is a high school senior and plans a career in environmental or bio-medical engineering.

The Centre County youth used puppets to bring the Dr. Seuss conservation story, **The Lorax**, to life on a puppet stage. He said the children were entertained, as well as educated on why conservation is necessary.

The nine-year 4-H'er also supervised 200 elementary school children in planting fir seedlings as a windbreak around their school.

Karen Kuntz

An 18-year-old Pennsylvania girl, who appeared on television to advise people how to compare products before buying, has been named one of six national winners in the 4-H consumer education program.

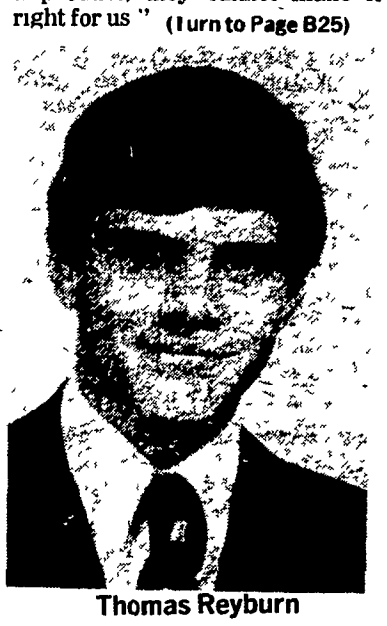
Karen Kuntz, 108 Longs Gap Road, Carlisle, received a $1,000 scholarship.

The six winners were presented their awards by Montgomery Ward & Co., sponsor of the 4-H consumer education program.

Kuntz, daughter of Mr. and Mrs. Cornelius Kuntz, is a high school senior and plans to become a commercial artist. She is a nine-year 4-H'er.

The Cumberland County girl has become an expert on consumerism and used television in her public education program. "As a whole, we consumers are not fully aware of the rights we have," the 4-H'er said. "If we do not let companies know when we are dissatisfied with a product, they cannot make it right for us" (Turn to Page B25)

Karen Kuntz



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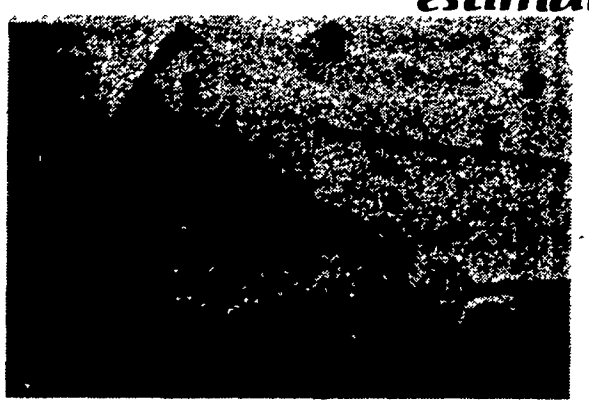

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Seven share $7000

(Continued from Page B24)

The 4-H'er has done research on savings and checking accounts with an eye to determining which provides the best service for a particular customers's needs.

Kuntz said that she loves to go shopping and her 4-H work has made her a much wiser shopper.

Lucille Horner

A 16-year-old Pennsylvania girl, who learned how to properly store leftovers and other foods so that they would not spoil, has been named one of six national winners in the 4-H food conservation and safety program.

Lucille Horner, Rt. 3, Box 250, Somerset, received a $1,000 scholarship.

The six winners were presented their awards by Reynolds Metals Company, sponsor of the program.

Horner, daughter of Mr. and Mrs. Charles B. Horner Sr., is a high school senior and plans to major in home economics in college.

"Even with an older brother, there still are some leftovers and if they are properly stored, they can be re-used," the Somerset County girl said. "Foods destined for the refrigerator should be placed in containers with lids and stored promptly."

The 4-H'er learned how to plan menus for backpacking and bikehiking trips and how to wrap them so that they can be safely served. She also learned how to prepare and serve food safely outdoors, using a charcoal grill.

Kathleen Wychock

A 17-year-old Pennsylvania girl, who raises a wide array of flowers and then preserves and dries them for use in arrangements and pictures, has been named one of eight national winners in the 4-H gardening program.

Kathleen Wychock, 15 Grove St., Mountaintop, received a $1,000 scholarship.

Her award was presented by Ortho Consumer Products Division, Chevron Chemical Company, sponsor of the 4-H gardening program.

Wychock, daughter of Mr. and Mrs Joseph Wychock, is a high school senior and plans a career in ornamental horticulture or extension youth work.

Lucille Horner

Kathleen Wychock

The 4-H'er put her gardening techniques to work earlier this year when her family purchased a 50-foot lot next to the family home. She has been using knowledge gained in 4-H to make it attractive. Wychock also has grown a wide variety of vegetables in her vegetable garden.

Her project work led to an interest in horticulture and last year she trained the horticulture team that placed first in state competition.

Shelly Wrisley

An 18-year-old Pennsylvania girl, who gave leadership to young people in a variety of activities, has been named one of nine national winners in the 4-H leadership program.

Shelly Wrisley, Rt. 3, Troy, received a $1,000 scholarship.

Her award was presented by Reader's Digest, sponsor of the 4-H leadership program.

Wrisley, daughter of Mr. and Mrs. Luther T. Wrisley, is a freshman at Clarion State College at Clarion. She plans to earn a degree in business administration.

She served as a member of the State Leadership Council and has been a long-time leader in her county's 4-H Council. She helped plan radio spots to promote the fair and National 4-H Week.

Keith Bryan

An 18-year-old Pennsylvania youth, who made an embryology study and completed a chick metabolism experiment, has been named one of six national winners in the 4-H veterinary science scholarship.

Keith Bryan, 28 Van Leer Ave., Media, received a $1,000 scholarship.

His award was presented by The Upjohn Company, sponsor of the 4-H veterinary science program.

Bryan, son of Mr. and Mrs. Clarence R. Bryan Jr., is a freshman at Pennsylvania State University and plans to become a veterinarian He is a 10-year 4-H'er.

The Delaware County youth's metabolism experiment consisted of comparing the growth effects of a commercial chick ration to the ration of straight cracked corn on the performance of Leghorn chicks.

The 4-H'er said he has put his veterinary science knowledge to work in raising swine, sheep, chickens, veal calves, dogs, a cat and a horse and her foal.

David Detter

A 17-year-old Pennsylvania youth, who designed and made hanging planters and lamps, has been named one of six national winners in the 4-H wood science program.

David Detter, 6631 Old Carlisle Road, Dover, received a $1,000 scholarship.

His award was presented by

(Turn to Page B26)

Shelly Wrisley

Keith Bryan

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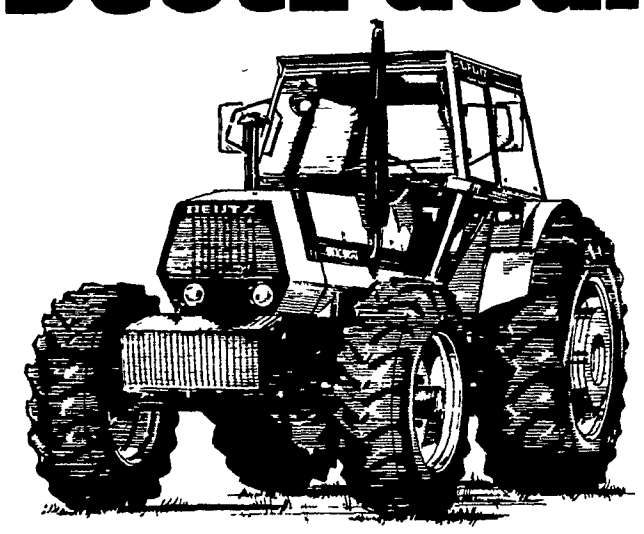

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Chester Co. holds dairy banquet

WEST CHESTER — Chester County held their annual 4-H Dairy Awards Banquet at the Ridge Fire Hall, recently, to honor all 4-H dairy members for a successful year of shows and competitions.

The coveted milk production awards went to the following members: Susan Kulp, Ayrshire; Jeffrey Welsh, Guernsey; Bonnie Lamborn, Holstein; Elizabeth Wollaston, Jersey; Lois Mark, mixed herd; and again to Nancy Yarnall, for Holstein herd.

The Chester County 4-H Jersey Achievement Award, donated by Mildred Seeds and family, went to Elizabeth Wollaston.

Blue form winner for the 1981 year was Nancy Yarnall.

Roy Malik, Chester County dairy agent announced winners as Pennsylvania Dairy Princess Charlene Rohrer, on hand to promote dairy products, handed out all the awards.

Dairy management awards went to Debbie Darlington, high scorer and Anna Uhlman, first year for Chester Valley; Theresa Tkaczuk, high scorer and Lurleen Beiler, first year for Black and White 4-H; Patty Jenkins, high scorer for Southern Chester County; Susan Kulp, high scorer and Noel Scheib, first year for Tri-Community; Anthony Beiler, high scorer, and Gerald Rohrer, first year for Oxford; and Elizabeth Wollaston, high scorer, and Nancy Stoltzfus, first year for Manor area.

Other awards are as follows:

First year fitter champion: Richard Talley of West Chester, Manor 4-H.

First year fitter, reserve champion: Nancy Stoltzfus, Parkesburg, Manor 4-H.

First year showman, champion: Jay Rohrer, Cochranville, Oxford 4-H.

First year showman, reserve champion: Nancy Stoltzfus, Parkesburg, Manor 4-H.

Junior fitter, champion. David Horning, Honeybrook, Black and White 4-H.

Junior fitter, reserve champion. Joan Tischler, Downington, Chester Valley 4-H.

Junior showmen, champion. Walter Moore, Chatham, Manor 4-H.

Junior showmen, reserve champion: Anthony Beiler, Cochranville, Oxford 4-H.

Senior showman, champion: Glenn Stoltzfus, Morgantown.

Senior showman, reserve champion: Carmen Freese, Oxford, Oxford 4-H.

Grand champion fitter: David Horning.

Reserve grand champion fitter: Richard Talley.

Grand champion showman: Glenn Stoltzfus.

Reserve grand champion showman: Carmen Freese.

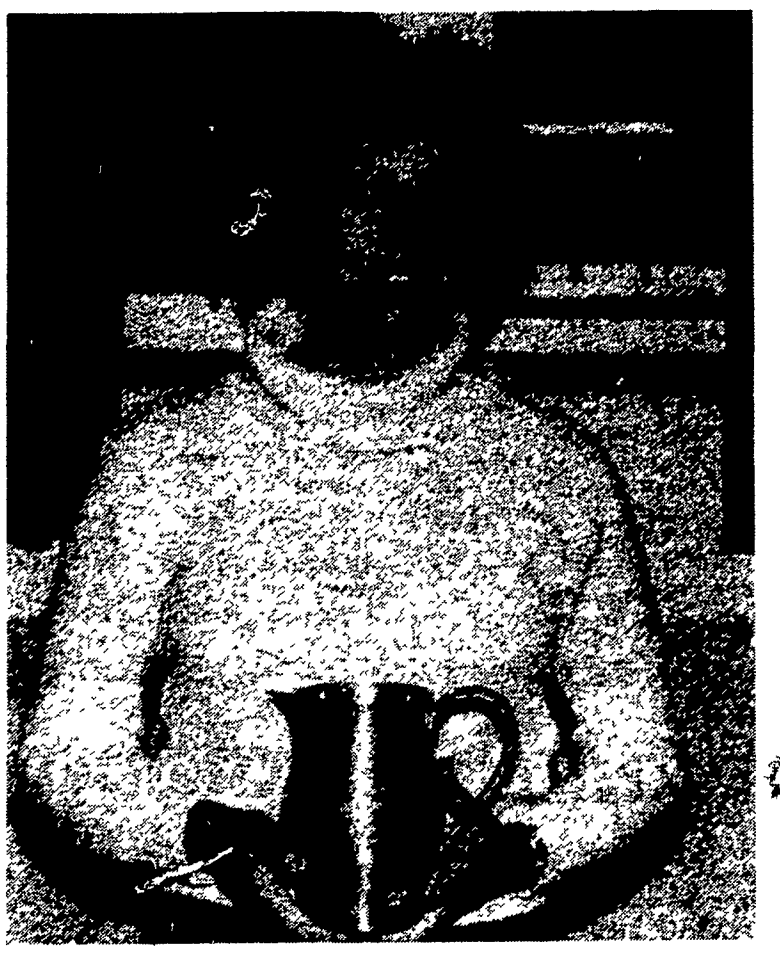
Judging team: Susan Kulp, Tim Kurtz, Donald Stoltzfus, and Glenn Stoltzfus.

The team placed third at the State 4-H Achievement Days.

Milk production awards went to:

Susan Kulp of Pottstown for her Ayrshire, Ken-Worth Hi Kick Heidi which completed a record of 14,777 pounds of milk and 565 pounds of fat in 305 days;

(Turn to Page B27)



Nancy Yarnall of Chester County received the coveted blue form award for dairy at the annual Chester County 4-H Dairy Banquet.

Seven share $7000

(Continued from Page B25)

Weyerhaeuser Company Foundation, sponsor of the wood science program.

Detter, son of Mr and Mrs. Lorne L. Detter, is a high school senior and has applied for admission to the Air Force Academy.

For the last four years the York County youth has drawn his own patterns for his wood science projects. The hanging planters netted him a cash profit, and a hanging lamp turned out so well that his 4-H leader asked for the pattern so he could make one too.

The youth learned precision was necessary in making fine wood products. One type of planter he built had frames surrounding the planter pot and arranged in such a manner that it was difficult to construct.

David Detter

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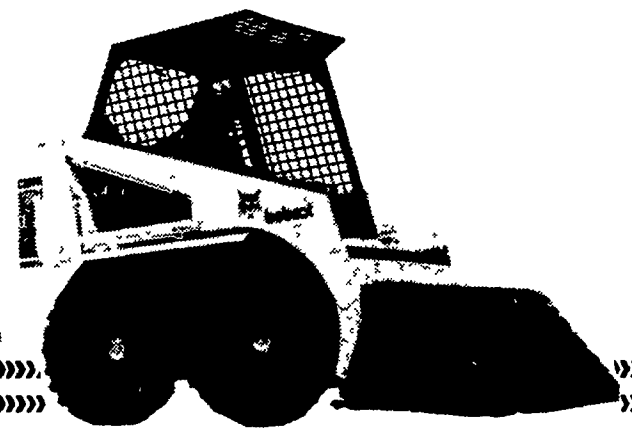

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New Angus president got start with 4-H project

ST. JOSEPH, Mo. — Delegates to the 98th annual meeting of the American Angus Association held November 16 elected Charles C. Cannon, Flemingsburg, Kentucky, as president of the 28,000-member Association for 1982.

Cannon succeeds retiring president Myron Woolever, Unionville, Missouri. The 280 delegates representing states from all over the United States, met at the Kentucky Fair and Exposition Center in Louisville during the North American International Livestock Exposition.

Elected vice president of the Association was Ray Adams, Tahoka, Texas. In addition five directors were elected to the 15-person board of directors. Re-elected to their second three-year term on the board were Dr. Arthur Bartenslager, Churchville, Virginia, and Joe Reznicek, Valentine, Nebraska.

The three association members elected to a first term are Gary Dameron, Lexington, Illinois; Harvey Lemmon, Woodbury, Georgia; and Eddie Sydenstricker, Mexico, Missouri.

Charles Cannon, the new president, is owner, along with his father and brother of Stonegate Farms, a registered Angus operation near Flemingsburg, Kentucky, that has been performance testing since 1958. The farm has produced bulls that were sold to three major A.I. bull studs.

Cannon started in the Angus business in 1952 with a registered Angus heifer for his 4-H Club project. The Stonegate herd now numbers some 200 brood cows.

He has served as president of the Kentucky Angus Association as well as president of several local and area livestock groups, and was elected cattleman of the year in Kentucky in 1968. He was elected to two 3-year terms on the American Angus Association board of directors and served a seventh year in 1981 as vice president of the Association, and chairman of the executive committee.

Charles and his wife, the former Francis Owens, have three children, Clay, Jay and Chris.

Ray Adams of Tahoka, Texas, has been in the cattle business since 1950 and in the registered Angus business since 1959.

Adams has served as president of the Texas Angus Association, as well as serving on the executive committee and as director, vice president and treasurer. He was elected to the board of directors of the American Angus Association in 1976 and among other positions has served as chairman of the finance committee and treasurer of the American Angus Association.

Ray and his wife Nan have two children Jim and Jo Anna, and one grandson T.J. Thomas.

Betsy Wollaston receives the 4-H Jersey Achievement Award from Mildred Seeds and Mr. and Mrs. George Seeds, donors for the award.

Chester holds dairy banquet

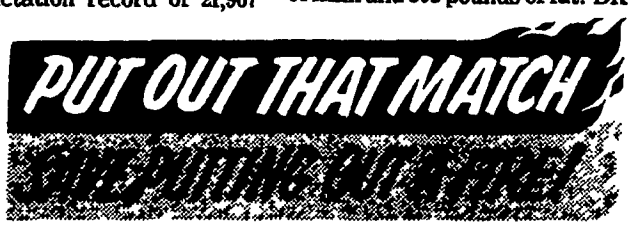
(Continued from Page B26)

Jeffrey Welsh of Exton for his Guernsey, Brightside DL Marie, who completed a record of 9,815 pounds of milk and 691 pounds of fat in 305 days;

Bonnie Lamborn of Nottingham for her Holstein, Friskyacres Elevation Aster, who completed a 305-day lactation record of 21,907 pounds of milk and 691 pounds of fat;

Elizabeth Wollaston of Toughkenamon for her Jersey, Samson Maple Lawn Tish, who completed a record of 9,156 pounds of milk and 450 pounds of fat in 350 days;

And Lois Mark, West Grove, for a herd average of 12,859.98 pounds of milk and 508 pounds of fat.-DK



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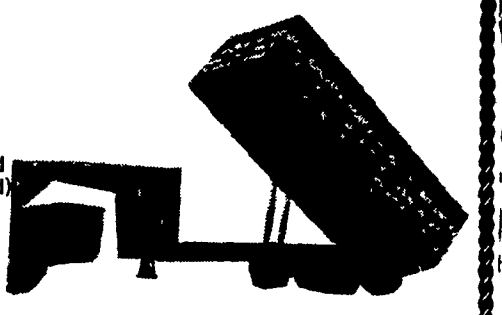

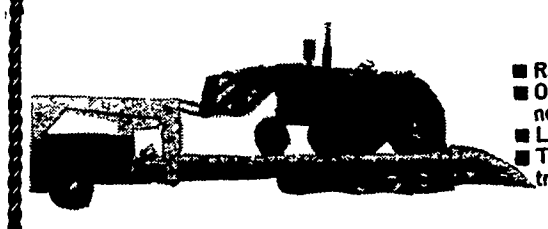

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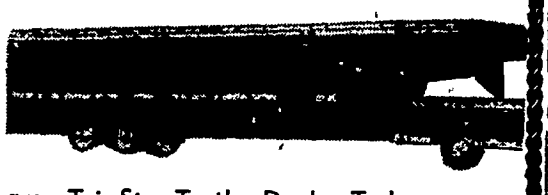

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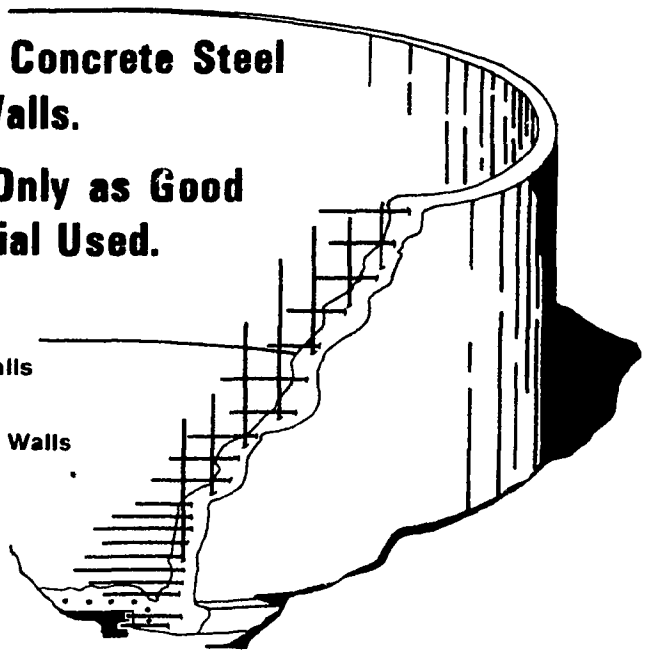

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Chester beef show names winners

WEST CHESTER — November 9 and 10 were two busy days for the Chester County 4-H Baby Beef Club members. Both days were spent fitting and showing their project steers for the county and district round-ups.

Monday proved to be a beautiful day, and a great day for Tiffany Rohrer, daughter of Mr. and Mrs. Bob Rohrer, Nottingham, who exhibited the Grand Champion Steer.

Her purebred Angus steer was bred by Sam Wylie of Octorara Farms, also of Nottingham. Tiffany was presented a silver platter donated by Mr. and Mrs. J.K. Robinson of Crebilly Farms.

Tammie Marsh of Honeybrook led her Simmental cross steer to Reserve Champion honors. She was presented a plaque courtesy of Milton Howe of Morgantown.

In the heifer show, Debbie Landis of Parkesburg and Ken Walker of West Chester walked away with Grand and Reserve Grand Champion Angus Heifer honors, respectively.

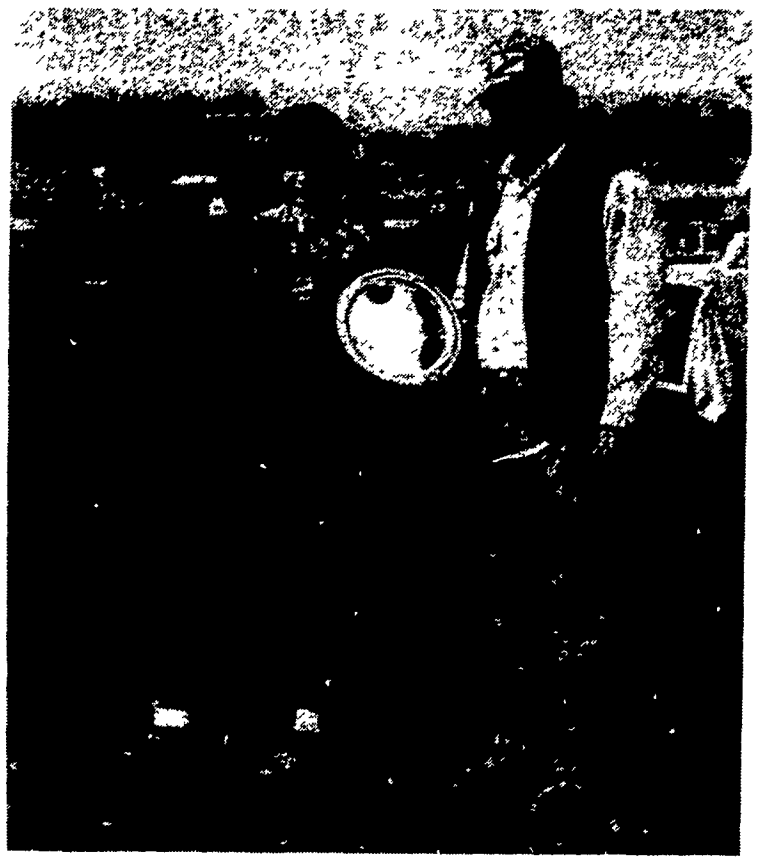
Becky and Andy Froy, children of Mr. and Mrs. Albert Froy of West Chester, exhibited the Grand and Reserve Grand Champion Polled Hereford Heifers.

Not only were the steers judged that day, but the 4-H'ers themselves were judged on their ability to fit and show their animal. In the first year member division, Rodney Howe of Downingtown was chosen as Champion.

In the Junior and Senior Divisions, Robbie Rohrer and Billy Wylie, both of Nottingham were named Champions, respectively. A big thanks goes to Cruetzburg Farm Supplies, Paradise; Sandra Lee Jackson, West Chester; and Mr. and Mrs. Robert Strickler also of West Chester for donating showmanship awards.

Following the show, ten individuals were chosen to exhibit their steers at the 1982 PA Farm Show. Those chosen were: Don Cairns, Sadsburyville; Jill Berry and Caryn Cook, Elverson; Anita, Rod, and Doug Howe, Downingtown; Bill MacCauley, Atglen; Julie and Mia Thompson, Berwyn; and Jason Rush, Glenmoore.

STEERS
Lightweight
1 Bill Wylie 2 Glenn Stoltzfus 3 Eileen Fairbairn 4 Julie Thompson 5 Donald Cairns
Medium weight
1 Tammie Marsh 2 Robbie Rohrer 3 Anita Howe 4 Caryn Cook 5 Frank Witman
Light Heavyweight
1 Tiffany Rohrer, 2 Sheila Fairbairn 3 Mia Thompson 4 Bill MacCauley 5 David Ashman
Heavyweight
1 Trudi Marsh 2 Nelson Beam 3 Ken Walker 4 Douglas Howe 5 Paul Wickwire
SHOWMANSHIP
First Year
1 Rod Howe 2 Lee Berry 3 Cathy Cook 4 Caryn Cook 5 Anita Howe
Juniors
1 Robbie Rohrer, 2 Glenn Stoltzfus 3 Tiffany Rohrer 4 Ken Walker 5 Trudi Marsh
Seniors
1 Bill Wylie 2 Bill MacCauley 3 Sheila Fairbairn 4 Eileen Fairbairn 5 Frank Witman



Tim McCurdell, manager of Crebilly Farms, presents a silver platter to Tiffany Rohrer for exhibiting the Grand Champion Steer. The platter was donated by Mr. and Mrs. J.K. Robinson, owners of Crebilly Farms in West Chester.

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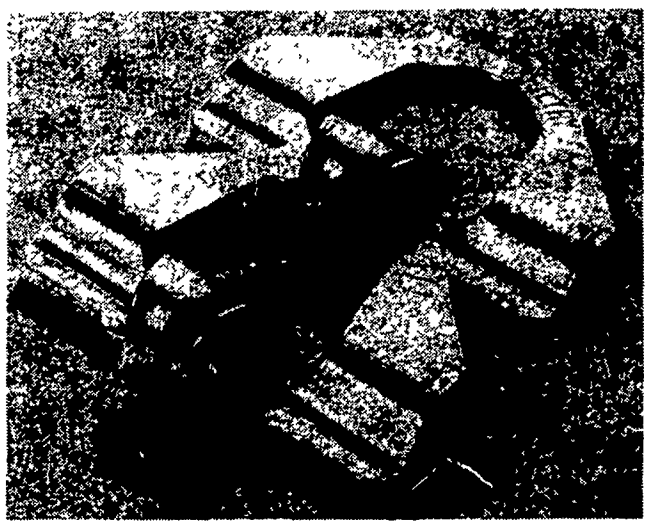

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Berks Co. honors lamb club members

LEESPORT — The Berks County 4-H Sheep & Lamb Club held its annual awards banquet recently at the Berks County Agricultural Center.

Highlighting the awards program was the presentation of the Champion Market Lamb trophy to Fred Bube, 12, of Robesonia. Van Mar Feeds, Shoemakersville, sponsored this award.

Lisa Bube, 17, Robesonia, was honored with a trophy for her Reserve Champion Market Lamb. F.M. Brown & Sons was the donor for this trophy.

In the Senior Fitter category there was a tie for first place. Trophies were presented to both Lisa Bube and Elaine Heffner, 16, of Fleetwood, for their championship honors. Sponsors for these awards were the First Federal Savings & Loan of Pottstown, Fleetwood, and Columbian Cutlery, Reading.

Jim Heffner, 16, Fleetwood, received the Champion Intermediate Fitter trophy given by Mr. and Mrs. Ian Mackay, Boyertown. Valerie Ernst, 15, Sinking Springs, was presented with the Reserve Champion trophy in the Intermediate Fitter Division. This award was donated by Redner's Market, Rt. 61, Leesport

In the Junior Fitter category, first year club member Tricia Werley, 11, of Shoemakersville, son the Champion award and Glenn Heffner, 11, Fleetwood, received honors for Reserve Champion. These trophies were given by Steel Workers Union Local 3753, Reading, and Elton Weitzel Contractor, Reading, respectively.

In the Showman Divisions, Elaine Heffner received the Champion Senior Showman award and Lisa Bube was awarded the Reserve Senior Showman trophy. These awards were both sponsored by Bob's Auto Sales, Temple.

In the Intermediate Showman category the Champion trophy went to Valerie Ernst, sponsored by Reading Bone & Fertilizer, Reading, and the Reserve Champion trophy was given to Heath Remp, 14, Sinking Springs, sponsored by Perry Acres, Hamburg.

Receiving honors at the annual Berks County 4-H Sheep and Lamb Club Awards Banquet were: (kneeling) Fred Bube, 12, of Robesonia; Gwen Perry, 10, of Hamburg; Tricia Werley, 11, of Shoemakersville; Glenn Heffner, 11, of Fleetwood; (standing) Elaine Heffner, 16, of Fleetwood; Jim Heffner, 16, of Fleetwood; Heath Remp, 14, of Sinking Springs; and Lisa Bube, 17, of Robesonia.

The Champion Junior Showman trophy was award to Tricia Werley, donated by Richard E. Brandt Farm Real Estate, Reading. The Reserve Junior Showman trophy was won by Glenn Heffner, donated by Berks-Lehigh PCA & Federal Land Bank, Shoemakersville.

Awards were also presented for the Best Sheep & Lamb Club Project Books for 1981. Lisa Bube was the winner in the Senior Division, Jim Heffner won the Intermediate Division, and Gwen Perry, 10, of Hamburg, received the Junior Division trophy. Trophies for Best Project Books were all sponsored by the 4-H Sheep and Lamb Club.

Also recognized for their work with the club were the 1981 club leaders. They are: Richard Remp, Sinking Spring; Walter Ernst, Sinking Spring; Mary Heffner, Fleetwood; Joe Crisafulli, Sr., Mohrsville; Ann Yanos, Douglassville; and Barb Perry, Hamburg.

Club officers for the year were Joe Crisafulli, Jr., 19, Mohrsville, president; Andy Mackay, 18, Boyertown, vice president; Lisa Bube, 17, Robesonia, treasurer;

(Turn to Page B31)

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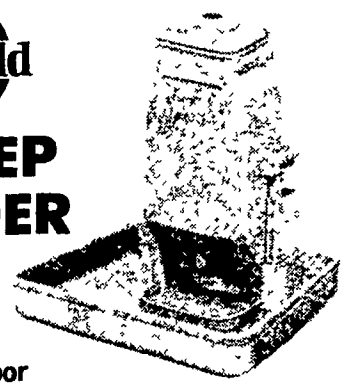

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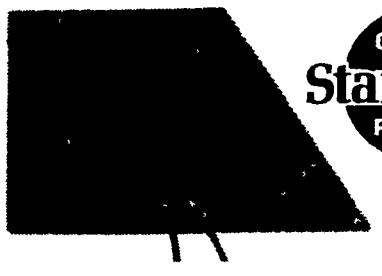

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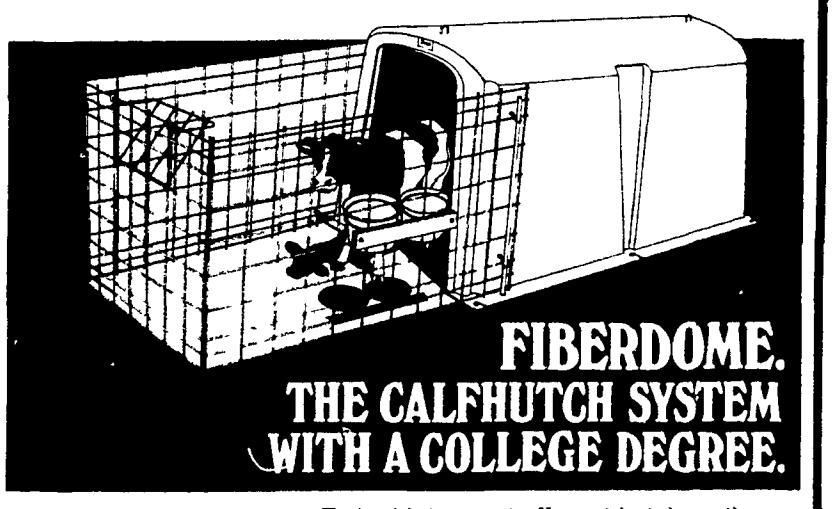

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Farm safety sessions could save a life - yours

BY DEBBIE KOONTZ

LANCASTER — The warnings and the safety suggestions keep going out; and the tragic and senseless accident reports keep coming in; and the cycle goes on and on and...

But despite the grim stories and the sad case studies, the farming population seems to disregard the fate of those who have learned the hard way. If death statistics don't startle you and accident summaries don't teach, perhaps the description of life after an accident would do the job:

Take the actual case of a young man we'll call Dave. As the result of an accident, Dave was left paralyzed from the chest down. Therefore, he has no control over his lower body functions. His primary means of mobility are his wheelchair and his van which is modified with hand controls.

Despite his handicap, Dave still helps his father farm approximately 700 acres of highly productive land. Incredible, isn't it?

Fortunately, for Dave, they raise no livestock. Their line of equipment is up-to-date and well-maintained with a 4-wheel drive John Deere 8430 and International Harvester 1086 being their two primary tractors. Their combining is done with a John Deere 6600 combine.

After his accident, Dave wanted to return to the only life he ever knew or wanted — farming. His first attempt back at farming found him riding a battery-operated portable freight lift that was modified and equipped with an automotive bucket seat to allow him to be lifted from wheelchair height to the same level as the tractor seat.

Using a padded, but slick surfaced board, Dave slid across from the lift seat to the operator's seat. In the transfer process, he used a series of specially installed overhead hand holds to pull himself into the cab and position himself in the seat.

This ordeal of climbing into the tractor seat still takes Dave approximately 15 minutes. Compare this to the brief 5 seconds it takes you to climb into your cab.

Once inside, Dave must secure himself with safety belts since he has limited ability to right himself if he should fall over.

Dave is lucky in that he was able to return to farming following his accident. Few farmers, however, could make such an easy adjustment — even if they were lucky enough to have lived through their accident.

According to the Maryland Extension Service, farming is the most hazardous occupation in the United States. It has the highest rate of fatalities and serious injuries of all occupations. If farming has to be the tops in something, why does it have to be this?

The National Safety Council indicates that as high as three percent of all full-time farm operators have suffered permanent disabling injuries due to farm accidents. Many of these permanently-injured farmers want to continue farming, but find their way full of barriers.

It's easy to guess that the farmer is often plagued with the thought, "Why didn't I do it differently, slower or more carefully?"

Fortunately for the almost 230 million people in the United States, farmers are known for their positive ability to be stubborn — otherwise how could they still be surviving these hard times. However this trait can also be the downfall of many a farmer who obstinately refuses to wear a dustmask when spraying, who disengages tractor safety features, and who always finds a "shortcut" to get the job done.

One industrious wife, mother, and Pennsylvania Farmer Association member finally got so tired and scared of farm accident reports, she decided to get involved in teaching safety to those responsible for helping the farmer who gets in trouble.

Shirley Garner says she first got involved in teaching safety to paramedics and firemen after the death of the father of a fellow PFA safety committee member.

"Her father was caught in a forage chopper from just below the waist and for one hour, through all this pain, he told the men helping him how to get him out." She sadly adds, "He died however."

"It scared me to death to think that we had to call on men who didn't know how to handle this equipment," she frowns as tears fill her eyes.

Shirley served on the safety committee of the PFA for two years before becoming chairman. As chairman she has made it her duty to work toward complete education of rescue squads who help farmers. And what makes Shirley even more of an angel of mercy is that neither she nor her husband are farmers.

Shirley's husband Jack, and two of her sons, Jack Jr. and Jerry, run a welding business. She says, "Most of our customers are farmers, however, so I feel a close bond to them through the business. We just got involved in PFA through our work." They have been PFA members for ten years.

"I wanted to get a program going in which paramedics, firemen, rescue squads, and anybody involved in emergency calls would learn how farm equipment operates and how to handle manure pits. The Women's Committee of PFA finally gave me the go ahead, and I began to conduct programs in Lancaster County with the help of Becky Wivell. Since then, Dauphin, York, Lebanon and Berks counties have followed," she explains.

For anyone interested in conducting safety programs in their county, Shirley offers her experience to build on:

"First you have to contact an implement dealer, preferably a PFA member — I doubt if they'll turn you down. Find out if they'll be willing to hold the meeting at their place of business because they have the largest range of equipment. Emphasize to them that they too are partially responsible for the safety of their customers," she says.

"The responsibility of the equipment dealer is to show the machinery in operation. Show any place belts can be cut, tractors can be turned off; the quickest way to extract a victim."

Perhaps another convincing argument might be that holding such a meeting would be terrific public relations and free advertising for their business, she adds.

The second step, according to Shirley, is to call members of fire companies in your area or county and get a list of fire chiefs and squads. Send them invitations to participate in a safety course with at least a three-month advance notice; and offer several dates for them to choose from. Then pick a date which best suits everybody.

Shirley adds at this point, "There is no doubt in my mind that any county that does this will have a good turnout, but don't expect a lot of farmers. For some reason, they either don't want to admit it can happen to them or they feel as if they know everything when it comes to equipment safety.

"But it's important for everybody to get involved in farm safety. Even wives.

"I know of a woman who found her husband lying on the bank of a creek after the tractor had overturned and pinned his legs. He told her to go for help, so she did. When she returned with help she found him dead. He had passed out, had fallen over into the creek, and drowned.People need to be trained in what to do as soon as you find the victim. Should you pull them out? Get help? Turn the machine off?"

Shirley's third step is to invite, in person and through the paper, all ag organizations, farm women societies and farmers in the area.

"I'd like to see the whole ag community working together for such programs, instead of us doing this little effort and you doing that," Shirley says adamantly.

Finally, when you get the people to the right place at the right time, the program can begin. Shirley advises to start with the tractor and from there move to machinery most prone to accidents. Her list includes balers, corn pickers, silage wagons, forage choppers and augers.

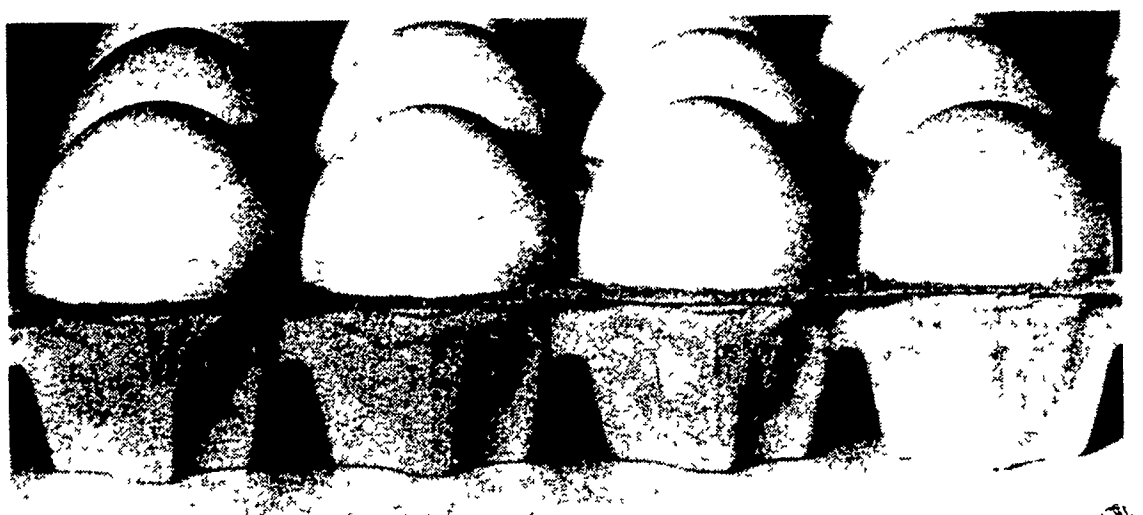
Next Shirley shows films borrowed from Sperry-New Holland to demonstrate corn choppers, because "their power is best demonstrated in the field. I'm sure most any company that has safety films would let you borrow them for such a worthy cause.

"We featured Dennis Murphy once who supplied slides on accidents. At that session he impaled himself on the PTO shaft of a post hole digger and asked the crews attending to help him. Even though they knew weeks in advance that they would have to do this, they just stood there looking at him, even when he pretended to be screaming for help. Now that's scarey." (Dennis Murphy is a farm safety expert with the Penn State Extension).

Shirley offers more suggestions for a successful training course: "Emphasize for the participants to ask questions as soon as they think of them, because later they may forget. Serve refreshments and make everybody comfortable. Try to schedule the session for an evening and find out in advance what the firemen would like to learn. Follow the demonstrations with a question-answer period and hold as many sessions as you can. Remember, you're not the only one volunteering your time. Everyone who comes is on volunteer time. Also, invite the press to cover the event."

"It's a lot of work, but it's worth it. I feel very good about it. I feel as if I'm doing something for somebody. We need to quit talking and start doing. Talk won't get you anywhere," she says with a grimace.

If you would like to hold a program in your county but need more help, call Shirley at 717-367-2638 or Dennis Murphy at 814-865-7685.



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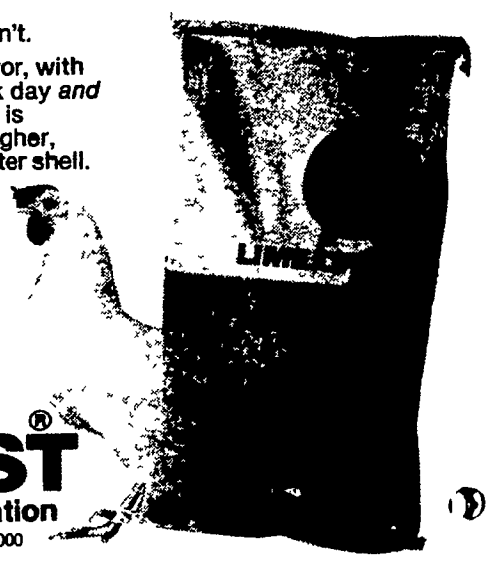

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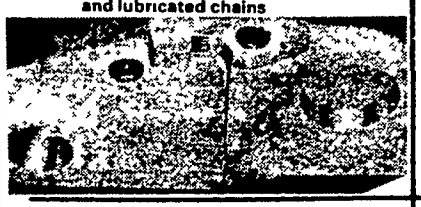

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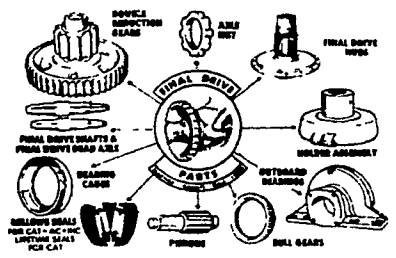

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She turns vines into wreaths

By Beth Hemminger
Staff Correspondent

NEWVILLE — Tis the season for wreaths that beam with good cheer. And Becky Francis, Dillsburg, is a producer of such good cheer. She makes gorgeous wreaths from wild grapevines.

Four years ago Becky began making the wreaths after a mere suggestion from her sister.

Becky remarked, "After I made several wreaths, from my own wild grape arbor, I couldn't stop making them. It was a real treat to transform the vines into a beautiful decoration for my home."

She begins her wreath making in the spring. She finds live vines and marks them for when she returns in the fall to begin production. She returns to her marked locations a month or two after the grape season is over in August.

She added, "Waiting until late September or early October helps to eliminate much of the shrinking that takes place after the wreath is made."

Beck is self-taught and has developed her own technique during the last four years. She explains her technique, "I pull the wild vines apart and begin making the wreath by weaving and wrapping the vines around a piece of circular shaped vine."

She builds the wreath in diameter and thickness by adding more vines and weaving and wrapping. The wreaths are built gradually and are not held together by string; they are held together by the interweaving of all the vines.

This wreathmaker adds her individual taste to the decorations by leaving the black tendrils remain on the reddish brown vines. "The tendrils are natures decorations," commented Becky.

Becky has a unique workroom for her work. It is the outdoors. She makes the wreaths where she has found the vines—in the mountains, along fence rows or in the woods. She remarked, "It would be troublesome carting the vines home and I enjoy working outdoors."

After her first season of wreathmaking, Becky said her house was wall to wall wreaths. Her 81-year-old neighbor suggested that she peddle the wreaths at boutiques and gift shops around the area; and she did just that.

Before venturing out to the retailers, Becky realized that the grapevine wreaths were virtually unknown on the market. She said, "I was confident in my product and felt I wouldn't have much trouble in marketing them."

Her premonition came true; the wreaths were accepted without reservation at several boutiques and gift shops. Also, as word of mouth spread the news of Becky's unique vine wreaths, customer orders became a major part of her business. To date, the largest customer order wreath she has made has been 25" in diameter.

Becky feels that the wreath's versatility has played a major part in their growing popularity. She remarked, "My imagination runs wild when I invision the wreath and all the different and unusual ways they can be decorated." She noted that homemakers can add peacock feathers, bittersweet, ribbons, lace, dried flowers, or anything that appeals to the individual.

"The wreaths can be used inside or out or as a centerpiece with a candle. The possibilities are endless," she remarked

Becky added that the wreaths can be recycled. After years and years of wear and tear the wreaths can be used as firestarters. Becky laughed, "Several of my less-than-perfect wreaths have found their way immediately to the woodstove."

Becky discovered from her 81-year-old neighbor that the grapevine wreath is not a new and innovative idea of the 1980s, but was made in the 18th and 19th century as a holiday decoration.

(Turn to Page B32)

Wreathmaker Becky Francis, Dillsburg, ladens her arms with wreaths in preparation for a day of peddling her commodity from shop to shop. The grapevine wreaths, once an Early American holiday decoration, has been revived by craftwomen like Becky, and has become a popular item in many boutiques and gift shops.

Berks club

(Continued from Page B30)

and Elaine Heffner, 16, Fleetwood, secretary.

Additional members who completed their year's work in the 1981 Sheep & Lamb Club are: Marianne Yanos, Douglasville; Glenn Yanos, Douglassville; Jacelyn Miller, Hamburg; Andy Haas, Douglassville; Christine Dietrich, Hamburg; Tom Hornberger, Birdsboro; Greg Weitzel, Sinking Spring; Heath Fisher, Robesonia; Todd Bube, Robesonia; Steve Ernst, Sinking Spring; Tony Crisafulli, Mohrsville; Seth & Ty Remp, Sinking Spring; Scott and Todd Kohler, Sinking Spring; Randy & Roy Sutliff, Mohrsville; Brian Fleming, Robesonia; and Ricky & Wendy Rachor, Barto.

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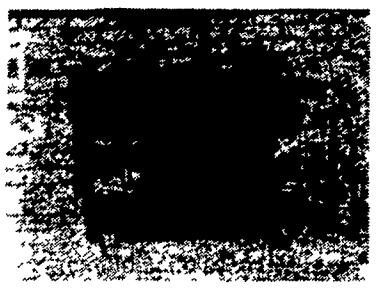

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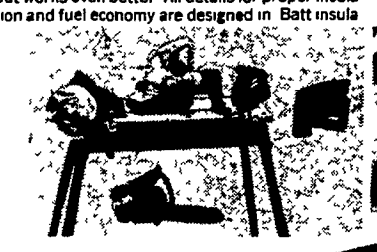

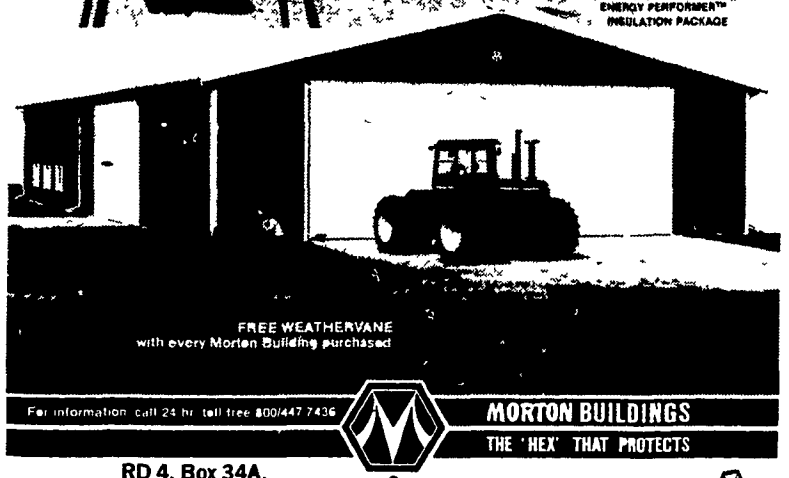

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Creosote buildup can cause chimney fires

LANCASTER — These days, many people are enjoying the warmth and cheer of a fireplace or wood stove. Unfortunately, this warmth and cheer has given rise to an increasing number of dangerous chimney fires, points out Delaware Extension safety and energy specialist Ronald Jester. Every year in the United States there are thousands of such fires resulting in over 20 million dollars worth of damage.

Chemical changes occur in wood when it is burned. As a result, gases and tiny droplets of tar and water are released as smoke. The heat generated by these burning gases accounts for a large percentage of of the wood's total heat output. However, these gases will not ignite until the fire's temperature has reached 1100 degrees Fahrenheit.

Because wood combustion is never perfect, smoke going up the chimney always contains some of the unburned gases and tars. If the chimney's inner surface is cooler than the smoke, as it almost always is, then some of the unburned gases and tars will condense out of the smoke onto the chimney's surface. This condensed material is called creosote. When creosote condenses on a relatively cool surface, it will contain a large amount of water and so will be fluid. If the surface is 150 degrees or hotter, the creosote will contain little water and will be thick and sticky like tar. This tar-like buildup will eventually change to a solid or flaky form.

There is no way to completely prevent the formation of creosote. But it can be minimized by avoiding smoldering fires, by burning seasoned hardwoods, and by using well-designed chimneys.

Air leaks, via cracks in the chimney or in the clean-out doors, provide a source of dilution which lowers the stack temperature and increases the accumulation of creosote. Therefore, for safety as well as maintenance, one should inspect a chimney thoroughly to insure that it is without cracks and that clean-out doors are air tight.

It is important to note that creosote condenses from flue gases when the stack temperature drops below 250 degrees. This means that chimneys which are insulated or interior and allow less heat to escape are preferred, especially for air-tight wood stoves. Most creosote fires are associated with poor chimneys that have low draft, cold walls, and too low a rate of burning.

How do you know that creosote has built up in your chimney or flue?

The most obvious way is to inspect the inside of your chimney or stovepipe. You may also notice back drafting and smoking as you load your stove. The connector pipe will also radiate less heat, as creosote is an excellent insulator. If there is more than one-quarter inch of creosote build-up, or if there are small raised bumps of creosote, a cleaning is needed.

Reports from fire victims indicate that a chimney fire is a frightening experience and a potentially dangerous situation. With proper installation and maintenance, regular inspection and cleaning, your chances of a chimney-related fire are remote. Prevention is your best protection. If for some reason you have a fire, here are the signs that you should recognize immediately so that you can respond as quickly as possible.

—A distinct crackling noise in the chimney or stovepipe.

—"Sucking sound" of air being drawn into the stove or chimney. This may increase to a loud roar.

—The stovepipe may shake (beware that it could fall apart spilling flaming creosote).

—The stovepipe may glow red-hot.

—Sparks and flames may shoot out of the top of the chimney or stovepipe—and you'll probably get phone calls from your neighbors!

A last but very important concern is what to do in case of a chimney fire. Following are some recommendations:

—Call the fire department. You may not need them, but if you do, calling later may be too late.

—Gather all occupants of the building and be ready to leave if the situation worsens.

—Cut off air to the fire. If you are using a wood stove, close all its draft and damper controls. If you have a fire in the fireplace, cover the opening with any rigid, non-combustible material (but beware of strong suction caused by the fire). Do not close the fireplace damper as smoke from the fire in the fireplace will then come into the room.

—Use a fire extinguisher. Best is a flare-like one designed specifically for chimney fires. Ignite it like a road flare and place it inside the stove or fireplace.

—Do not pour or spray water directly into the chimney as the rapid contraction caused by sudden cooling may break some of the tiles.

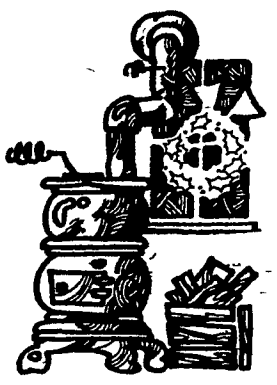
—Continue to check outer surface of the chimney and any inner walls near the chimney for excessive heat—even after you think the fire is out.

—Check outside to see if sparks and embers blown out the chimney top are igniting roof or brush.

—When the fire's out, sweep the chimney and carefully check for any damage. Resolve to clean your chimney more often.

For specific information contact your local Volunteer Fire Company or the Delaware Cooperative Extension Service.

Learning to harness the energy potential of wood is much like working with electricity, says Jester. It's respect, not fear, that allows us to make full use of it safely.



From vines to wreaths

(Continued from Page B31)

Becky said regardless if the wreath is an old or new craft, she will continued to enjoy making them along with another Early American home furnishing—rag rugs.

Becky began making the rugs as a counterpart occupation to her outdoor craft. She said she couldn't make wreaths the year round and needed something to occupy her time inside, even when she was producing wreaths.

She already had a loom, but never really used it.

"When I began making the wreaths I started to toy with the loom and decided it was time to use it." She stated that she had always wanted to recycle the old baby and children's clothes that she had in abundance, so what better way she though than to make rag rugs for her home.

Several rag rugs later, Becky now attends rummage sales and flea markets, purchasing old clothing for the decorative rugs.

Because of her remarkable rugs, another avenue has opened up for this industrious woman. She recently began working with an interior decorator designing rag rugs for a client's home. "Designing the rugs for the home is enchanging, I feel like I am making them for the home of the "Little Women."

Becky Francis is a rare craftswoman, much like those of long ago, recycling materials in nature and in the home into beautiful, unique home furnishings.

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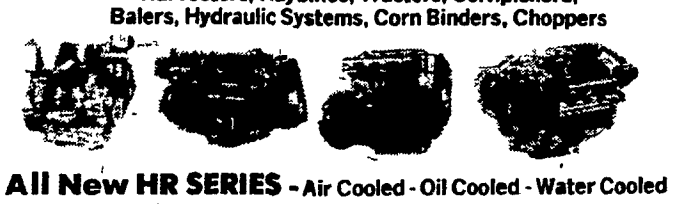

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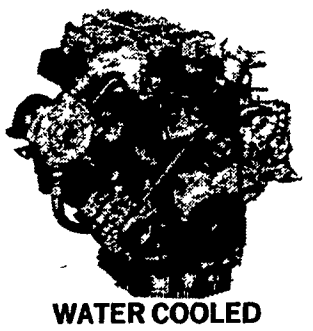

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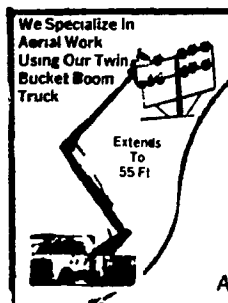

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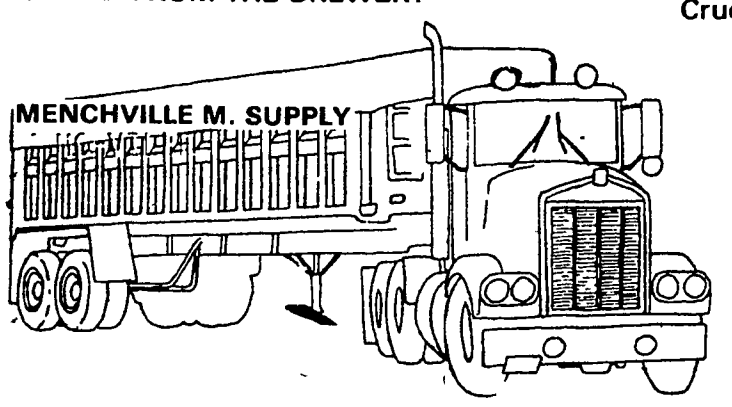

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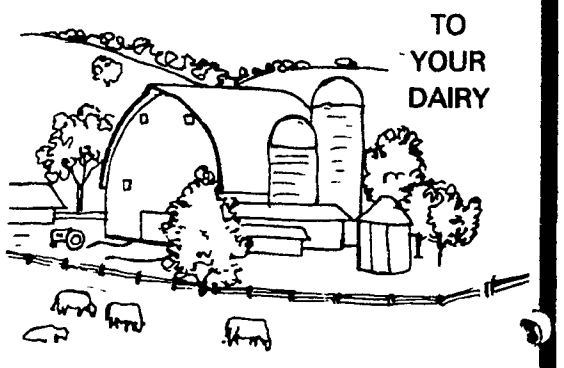

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Sheep producers seek uniform grading standards

By Laurie Dobrosky

STATE COLLEGE — A recommendation to have the United States Department of Agriculture develop a set of uniform grading standards for the Eastern Seaboard was approved at the recent Eastern Lamb and Wool Marketing Conference at the Penn State Sheraton Hotel.

Speakers informed the more than 150 conference participants, including sheep producers from 10 states, about new and different methods to market both lamb and wool. Marketing was defined by opening speaker and chairman of the event, Clair Engle, as "creating value or performing a service for which someone is willing to pay."

A resolution was passed to initiate a uniform grading system for market lambs, based on the Virginia-West Virginia system. This resolution was approved after lamb packer, Fred L.C. Stapf, of Stapf Packing Company, commented that he will not buy Pennsylvania lambs due to the lack of a uniform grading system.

In addition to grading systems, producers learned various methods to market both lamb and wool, including cooperatives, wool pools, and direct marketing of wool to handspinners and craftsmen.

Systems of lamb marketing were a major part of the conference. Auction markets, were discussed by Abe Diffenbach, manager of New Holland Sales Stables, New Holland.

James Diamond, Penn State professor of ag education, discussed his personal experience with the direct marketing of lamb to the consumer, relying on local media advertising and word-of-mouth to spread the word about his freezer lambs.

The final methods of lamb marketing discussed is a relatively new and highly advanced system, called a teleauction. This method involves allowing the sheep on the farm until the buyer has purchased the pre-graded lambs – through the use of a computer and the telephone. Buyers call in to the auction and the computer keeps track of the bidding. After the lambs have been purchased buyer and seller arrange for delivery.

Another one of the main problems discussed during the conference was product uniformity. This is particularly involved with trying to keep a uniform supply of lambs on the market all year long.

Packer Douglas Conti, Conti Packing, New York, stated that "seasonal lamb supplies are the most important problem facing the sheep industry."

Uniform size on lamb carcasses is another factor. Packers have the best – market for carcasses weighing from 50-60 pounds. Most lamb feeders, however, have not been supplying these lambs.

The final topic of major concern was lamb and wool promotion. Various employees of the American Sheep Producers Council (ASPC) spoke on the programs initiated to do the job of promoting lamb and wool. Such programs include supermarket features and tours promoting the sheep industry — employed to increase the demand for lamb and wool.

Having supermarket chains feature lamb as their weekly special has been the most promising promotion of all, according to Walter Streightiff, manager of the regional lamb promotion for the ASPC. This helps to save on money and promotes lamb where consumers will be more likely to notice the advertisement, he said.

Streightiff was honored at the banquet for 25 years of service to the sheep industry in the East.

"It's time to say we will wear sweaters and they will be wool," stated Robert Hoy, featured speaker and president of Woolknit Associates. Hoy's speech, interlaced with humor, dealt with topics ranging form the Pitt-Penn State game, to the economy and wool promotion.

"We haven't taken advantage of exporting," Hoy said in his efforts to stress the promotion of the sheep industry.

"Neither have we as sheep producers put pressure on the market or been talking about our product."

The conference was sponsored by American Sheep Producers Council/National Blueprint Program; Pennsylvania State University, College of Agriculture; and the Pennsylvania Sheep and Wool Growers Association.

Robert Hoy, president of Woolknit Associates, addresses 150 participants in the Eastern Lamb and Wool Marketing Conference at Penn State recently.

Walter Streightiff, regional manager for lamb promotion and sales for the American Sheep Producers Council, was honored for his 25 years of service at recent Eastern Lamb and Wool Marketing Conference.

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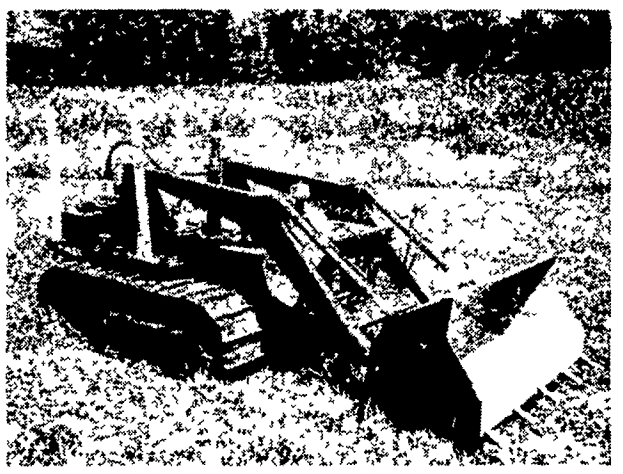

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Ag Council of America announces development program

WASHINGTON, D.C. — Nineteen leaders of America's agricultural community have volunteered to serve on two new panels that will direct a 1982 program to recruit new members of the Agriculture Council of America and actively involve them in the organization's projects, Roger Clark, chairman of the ACA Board of Directors, has announced.

An eight-member ACA Development Board will be chaired by U.S. Sen. Robert Dole, R-Kan., chairman of the Senate Finance Committee, senior Republican on the Senate Agriculture Committee and a longtime active supporter of ACA.

The Agriculture Council of America, wiht 2,500 individual and business members, is a nonprofit, nonpartisan corporation founded in 1973 to communicate facts about agriculture to the general public and to serve as a forum through which the farm community's various segments could reach consensuses on questions of widespread importance.

The members of the Development Board are John F. Anderson, president of Farmland Industries; Mike Fitch, vice president of agribusiness affairs at Wells Fargo Bank; William Galbraith, executive vice president of the National Farm and Power Equipment Dealers Association; B.J. (Jerry) O'Dowd, president of AGRI-Industries; Orion Samuelson, vice president and agricultural services director of WGN Radio & Television in Chicago; Darwin Stolte, president of the U.S. Feed Grains Council; Roy W. Uelner, executive vice president of Allis-Chalmers, and Richard A. Wilson, president of Agri-Trans Corporation.

The board is a largely honorary group, representing an array of producer and agribusiness interests. Clark said that it would advise ACA on issues around which it might need to develop new programs, and its members would lend their names to efforts designed to encourage prospective members to attend briefings on the organization.

A working ACA Development Committee will coordinate its efforts with the board.

Members of the committee are Robert M. Book, group vice president at Elanco Products Co.; Paul G. Brower, vice president-communications at Gold Kist, Inc.; George Gates, executive vice president of the Miller Publishing Co.; R.L. Green, general manager-marketing for J.I. Case; Harold House, executive vice presidnt of Louis Dreyfus Corporation; James H. Lindau, vice president and general manager of the grain merchandising division of The Pillsbury Co.; Adrian Polansky, vice chairman of the Kansas Wheat Commission; Norfleet Sugg, executive secretary of the North Carolina Peanut Growers Association; Tom Walsh, director of market planning-grain for Burlington Northern, and Robert R. Yohanan, senir vice president, U.S. banking department, agricultural and financial markets groups, First National Bank of Chicago.

The committee's task, Clark said, is to evaluate and fine-tune ACA's over-all development plan, identify key prospective individual and business members and encourage them to attend one of three new-member briefings planned for 1982. It held its first meeting Nov. 18 in Chicago.

The plan was devised by the ACA executive committee and board of directors this year with the aid of Robert F. Jones Associates, a management counsulting firm, after a comprehensive study of ACA's development activities.

Clark, a director of Farmland Industries, is a cattle and corn producer in Brady, Neb.

Keep machinery cost under control

UNIVERSITY PARK — Machinery management must take on renewed emphasis on the farm or runaway spending will force farmers to the brink of bankruptcy, says William Waters, Extension farm management agent at Penn State.

Machine costs constitute a major farm output; about 40 percent of alfalfa production costs and 24 percent of corn costs, he told participants at the recent Forage and Seed Conference held on the main Penn State Campus.

"Though fuel prices are presently stable, farmers experienced an 82 percent fuel price increase in the last two years. Machine replacement costs increase with inflation at the rate of about 10 percent each year."

With the exception of fuel price, the cost of owning and operating machinery is pretty well set the moment the farmer tells the dealer, "I'll take it." The specific conditions of acreage and use dictate the prorated ownership cost to an acre basis, Waters emphasized.

"While oversized implements may be justified on the basis of production timeliness, these large power units add greatly to overall costs. At 1981 tractor prices, the penalty for power over and above actual need is about $100 per horsepower per year," the farm management agent noted.

That land "down the road" may be cheap to use but very costly in terms of fuel and machine wear and tear. Penn State studies show that highest net returns are achieved by farming land to its potential yield. Many farmers could save machine costs by farming more intensively at home, Waters points out.

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For Sale Tractor wood saw, fits Farmall cub, A, 100, 140 etc Comes with 2 30 blades Lanc Co 717-392 7287

For Sale 2 horse trailer, Pa inspected $1500 or exchange 4 wheel drive vehicle 215 255-4630

For Sale- AC tractor diesel, 160 model w/bucket loader, wheel weights, mechanically very good $4500 607 458 5414 Addison, NY

Notice Will buy milk turned down by your dairy, Leb Co 717 949 3791

MAILBOX MARKET

For Sale 4 mule team of black mules w/white nose, 7-8 year old well broke, Jonas M Yoder, R1 Winfield, Pa 17889

Goat spotted nubian milker (Fox Hill sire and dam) bred to 7-8 Muirhill Polly's Shenadoah, Bucks Co 215 257 3879

For Sale- JD 2 cylinder water cooler engine w/clutch & reduction gear, NH elevator, Case 5 bar rake, 717-345 4882

Help Wanted Elderly person to live in cabin at backwoods farm, Paul F Yerger Sr, RD1, Auburn, PA 17922

Eat Domestic Rabbit! New Zealand rabbits for sale Sch Co. 717-943-2655

For Sale- Year round cab for IH 66 series $995, IH 2 row narrow 8 roll corn picker, Lanc. Co 215-267-6547

For Sale Standardbred mare, good carriage horse, lots of pep Amos Yoder, Gap, Lanc Co 17527

For Sale NH 371 flail tank spreader, tandem axle, like new $5000 Cumberland Co 717 532-4178

For Sale- 4 #65 Sta-rite weigh jars $150 ea, reg. Holstein bull 11 mo old, sire Jemini 717 374-4948 Snyder Co

For Sale AKC German Shorthair Pointer pups, exc hunting stock, $100 4 mos old Berks Co 215 845 3022

For Sale Springing red & white reg Holstein heifer bred to Banderla Citation Tupper Red Fresh in Dec Lanc Co 717 687 7926

Wanted Feed hay, mulch, offering good prices. Call any eves 215-932-4013 Ask for Mr Bush, Chester Co

For Sale 59 Int dual wheel 1 ton truck, good rubber, runs good, not inspected, factory bed, York Co 717 235 1825

For Sale- AC 333 no till corn planter, exc cond, planted about 85 acres, York Co 717-432 2613 or 717-432 2110

Wanted 3 or 5 hp cat start electric motor, 461 NH haybine, short corn drag elevator York Co 717 292 6361

For Sale NH 202 manure spreader, like new cond, $1600 John B Zook, RD1 Box 145, Kinzers, Pa 17535, Peters Rd, near Springville

Two bdr apartment, kitchen, living room, bath, yard & cellar $165 per month South Kinzer Rd, Ben Stoltzfus, 222 S Kinzer Rd, Paradise, Pa 17562

Wanted Full time hired boy David S Stoltzfus, 74A McIlvaine Rd, Paradise, Pa 17562

For Sale 4x4 locust posts, Cherry, Walnut, Ash, Poplar lumber Lanc Co 717 872-5786

For Sale reg & grade Holstein heifers, good size, 300 gal bulk tank, $15 Lanc Co 717 653 8703

Wanted- Rabbit hutch, Gideon F Stoltzfus, RD2, Box 226, Gap, Pa 17527

For Sale Amish buggy $1000, E Stoltzfus reset plow, horse drawn, 717 768 8359

For Sale- 1952 Dodge ½ ton pickup truck, 4 spd trans, $650 Rebuilt motor 717-292-4584 after 6 p m York Co

For Sale- 3 40 ratio ring gear & pinion for 1975 Ford ½ ton pick up $25 Also, stone basin Adams Co. 717 677 7795

For Sale Dsl generator unit, capable of producing 220 volt, Elam S Zook, R#3, Quarryville, Pa at Green Tree

For Sale 5 hp Bunner Bush Inc treezer compressor and thermal bank Sch Co 717-425 2719 eves

For Sale NH 27 blower, JD 494 A cornplanter with insect boxes, $900 each Cumb Co 717 423 6188

MAILBOX MARKET

For Sale Rottweiler pups, AKC, M&F Born 10/24/81, Ready for Christmas, $375, Berks Co 215 367 9303

For Sale- Two Arctic Cat Panther snowmobiles 1970's, one w/cover in good cond $1000 or best offer Snyder Co 717-743 7214

For Sale- 1965 Chevy cab & chassis 409 gas, 5 +4 trans tandem axle double frame, P S Lanc Co 717-548-2291 after 5

For Sale- 7½ ft Myers snow plow model No St-90 parts, No 9163 smoother snow rolling action, $550. 717-665-5195 Lanc Co

For Sale- 17 gal electric hot water heater, like new, David N Shetler, Mt Pleasant Mills, Pa Rt 2 17853

For Sale- Purebred Swiss cow, bred and milking 3 yr old, Purebred Guernsey springer, fresh family type holstein heifer, Lanc Co 717-354-7866.

Wanted- 1000 to 1500 gal vac honeywagon, 215-445-5438

Help wanted- Housekeeper, live in, room, board, fringe benefits, no objection w/child. Should drive and like animals, 215 942-2412 Chester Co

For Sale- Black walnut log, good for wood carving or furniture maker 20' long approx 22" diameter, 215-779 3951

For Sale- 1 cord wood saw, metal frame, exc cond, $150 Model 12 win shotgun H S barrel $325 Cumb Co 717-776-5237.

For Sale 1965 Mustang, very clean, 6 cyl 3 spd, runs good, $1350, 717 275-5361 Montour Co

Free- Black and tan x red bone female coon hound, needs some training, to a good home, Franklin Co 717-597 7743

For Sale- Case 1270D, 300 hrs, $18,200, NH 975 combine $7,200, Case 1210D, 530 hrs, $10,300 Lanc Co 717-872-8659

For Sale- Jersey Holstein cross heifer, fresh 2 weeks, good milker, Isaac H Zimmerman, New Holland RR1, Pa

For Sale Skid loader Case 1816B, good cond, $3600 400 garden tractor 20 hp, 60 in mower, $2900 717 354-0484

For Sale Two 18 4 34 tires with rims, good John M Stoltzfus, 960 Brunnerville Rd, Lititz, Pa 17543, Lanc Co

For Sale Brady manure spreader, working order, $200 or make offer Lanc Co 215-445-5928

For Sale Rottweiler pups, AKC registered have shot & wormed, 717 733 4647

For Sale- 4 Reg heifers sired by Curtis bulls out of dam's with over 16,000 milk Lanc Co 717 687 7475 or 464-2273

For Sale 3 purebred Dorset ewes, $40 each 2 Lambs Dorset, 10 mo old $60 each 215-822 3144 after 5 p m

For Sale- Rosenthal husker shredder, #206, 12A, 18, manure spreader, 717 656-9733

For Sale 25 cow stanchions, $20 each $375 for all 215 869 2252

Wanted- Heat houser, for JD 3010 in good cond, Lanc Co 215-445-5734

For Sale 275 gal fuel tank $110, new corn $70/ton at farm, also steer calves & heifers Lebanon Co 717-274 2784

For Sale 1 reg Belgian filly, several registered Quarter horses, Huntingdon Co 814 448 3269

For lease 2 reg Holstein 2nd calf heifers by Job & Willie prefer farm near Strasburg, 717 687 8893

For Sale 30 ton old ear corn, Berks Co 215 488 1402

MAILBOX MARKET

For Sale- Reg. Polled Hereford heifers & bulls, clean modern breeding stock at reasonable prices Wayne Co 717-689-2158.

For Sale- English Angora/French Lop mixed bunnies for Christmas $20 ea Northampton Co 215-759-3337

For Sale- 2 trained treeing Walker Coonhounds, both 2½ yrs old, 1 male, 1 female, reg $300 each Susq Co 717-289-4264

For Sale- 1968 Camaro for parts, or whole, good bumpers, body parts, glass, interior, console, etc Chester Co 215-932 4728

Wanted- Model 601 Ford corn picker, 717-889 3580 after 6 p m or write RD 1 Box 77, Ringtown, Pa 17967 Sch Co

For Sale- 2 Smidley 12 hole hog feeders used 3 mo only, also, JD #45 loader, Leb Co 717-949-3851

For Sale- Tire chains, 11 2 28 like new $100 Franklin Co 717-532-5686

For Sale- Lathe $185, 500 gal air tank, best reasonable offer Samuel F Stoltzfus, RD1, Box 199, Christiana, Pa 17509

Service of Kingpin Son for feed to regular DHIA herd, exc. Peters Farm, Port Matilda, Pa, 16870, Centre Co 814-692-4340

For Sale- $850 per mo buys Chenango Co. NY 40 cow dairy 179A farm Write Cummings, 149E Tracy Place, Hackensack, NJ 07601

For Sale- Quarter horse weanlings, blue ribbon winner in 4-H state competition Call after 5 p m Leb Co 717-949-3246

For Sale- 1953 DeSoto restorable, $250 Center Co 814-237-4608

For Sale- Reverse running gear, Surge milking pump, second cutting alfalfa, 1 open Angus heifer, 717 739 4636 Sch Co

For Sale Antique unpainted barn boards, $1 25/ft, deep well pump, needs seal $30, antique folding room screen, 717-548 2665 after 4 p m

For Sale- Two cast iron franklin stoves Olympic $200, the other $85 Both like new, 717 626 4872 Lanc Co

For Sale- 3"x4"18 15 ft 3x4x20 17 cent/ft, 3x4x20 24 cents/ft Also roll roofing half lap white $10 a roll Berks Co 215 683-3114

For Sale 16' hog loading chute on wheels good cond Levi S Zook, RD1 Box 133, Quarryville, Pa 17566

For Sale Alaskan Malamute, has papers, 1½ yrs shots Color Wolf Sable York Co 717-755-5828

For Sale- Hickory & walnut rockers, blacksmith tools, NI #8 spreader Jake Lengacker, RD1 Box 77, Port Trevorton, PA 17864

Wanted- 10-20 tons alfalfa/grass or clover/grass hay Trade knitting machine, black sheep or cash Berks Co 215-367-8194

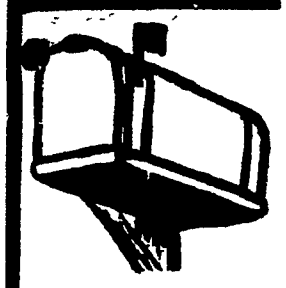
For Sale South Bend kitchen range, white w/black trim, ex cond Call between 12 and 7 p m 717 532-9586 Cumberland Co

For Sale Western crossbred ewes, black ram, tested Reg Suffolk and Rambouillet rams, Lycoming Co 717 634 3222

For Sale Eleven cow stanchions, good condition Wyoming Co Eves, 717 388 2495

For Sale- About 500 bu exceptionally nice, clean heavy oats $2 50 per bushel 215 488-6315

For Sale 1977 GMC Jimmy 350 V8 3 spd stick, hubs, good cond, new paint, inspected, 64,000 miles 814 472 8528 Cambria Co



FREE

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Limit your advertisement to 20 words, area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Tuesday or same will be held over for next week's paper, no business advertisements accepted

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Lititz, PA 17543

No Phone Calls Please

For Sale- Mushroom Soil - 200 bu to 800 bu from $40 to $80 Save fertilizer dollars - use poultry manure Delivered in trailer lots /17 859 3348 after 5 p m

For Sale- Purebred Duroc boars, open and bred gilts, all age breeding stock, certified herd #82 Ph 717-733-2310 W H Ruoss, 126 Irene Ave, Ephrata, PA 17522

For Sale Spring wagons & buggies & horse related items 301-398-5696 after 7 30 P M

For Sale 1964 Mack BG1 with Stoltzfus Hydraulic wet lime spreader and vibrator, very good cond, $8500 215-869 9595 Chester Co

For Sale- New Idea 12A spreader for parts also 2 900-16 tires on Dodge 5 lug wheels, Sch Co /17 345-4489

For Sale- Geese grain fed, live or dressed order for Christmas, lamb, grain fed, free cutting and wrapping Dec only /17 862-3309 York

For Sale Craftsman table saw w/air motor $550 Craftsman shaper $150 John A Stoltzfus, 2936, Church Rd, Bird in hand, Pa 17505

For Sale- Hand crank meat slicer, U S slicing machine, $175 Elam M Ebersol, 558 Gibbons, Bird-in hand, RD1, 17505

For Sale 100 bushel feed bin on wheels with PTO Auger unloader, York Co /17-637 0589

For Sale- Zimmerman s 4 ft curtain opener for hog house, like new, $450 Call /17-354 /419 Lanc Co

For Sale 3 bred Hereford cows, 2 with calves at side, $2100 Lanc Co /17 /86 4633

For Sale Brown and white Fox Terrier pups, also 40 elevator Levi E Glick, 2061 Jarvis Rd, Lanc Pa 17601

For Sale 2 service age boars 3 way cross sire by DeKalb /17 656 9764

For Sale Ford boom truck $2800 Ford dump truck, parts, $185 Int truck 1934 $400 Lanc Co 215 445 6032

For Sale Cab for JD 440 Dozer Chester Co 215 436 4382

For Sale- White French Provincial canopy double bed and nightstand, $50 /17 626 5788 Lanc Co

For Sale- Antiques, cast iorn parlor stove, needs small repair Bath tub with ball feet, washbowl, /17 86/ 1011, Leb Co

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MAILBOX MARKET

Used Bee Equipment, Inverbrook Apiaries, R D #2 Box 230, West Grove Pa 19390, 215 869 3353

For Sale 1 Bowman manure spreader Elam K King, RD2 Box 402, Ronks, Pa 17572

Wanted 36 Ford station wagon, must be in good condition, Montg Co 215 933-2469

MINI LOP RABBITS with papers $25 00 Very Loveable pets NZW Rabbits with papers, $10 00 Cecil Co, Md 301 885 2134

For Sale Outside calf hutches, $75 each, David B Stoltzfus, Rd 2, Box 282B, Nottingham, PA, take Brown Rd at Little Britian, second road right

For Sale- JD 1010 diesel crawler with 3/4 yd bucket and ripper, has hydraulic reverser, engine excell cond, Cumb Co /17 532 3360

For Sale Geese four different breeds also Muscovy ducks, Lanc Co /17 872 4012

For Sale 1972 Honda 750cc motorcycle $700 Sears 8 hp rear tine rototiller $600 Wood-burning parlor stove, Perry Co /17-582 8///

For Sale- 440 gal Esco ice bank tank, $300 Aaron S King, Jr 2007 Pioneer Rd, Lanc Co 17602

For Sale Four black walnut logs, Leb Co /17 865-4604

Wanted Used trampoline or jogger in good cond Ira Z Stoltzfus, R8 Box 191, Danville, Pa 17821

For Sale- Reginald #101 black enamel on cast iron woodstove Heats one or two rooms Also sheep equipment, /17 274 5202 Leb

Wanted Narrow front end for Farmall 460 or larger Phone /17 597 3770 or 428-3530 Fr Co

For Sale New summer tread tires, 4 650x16, $110 5 00x16 $165 cash /17-545 2086 Dauphin evenings

For Sale Chick eze water fountains, 70 6 x10 13 6 used oak beams, 15 KW, PTO generator on cart, /17 865 4932 Leb Co

For Sale Purebred collie puppies, no papers $25 each Cumberland Co /17-776 3424

For Sale- Young Suffolk sheep $55 each Berks Co 215 582 3066

For Sale IH 400 cyclone air planter, 4 row wide, liquid & dry fertilizer tanks, w/new monitor, Schuylkill Co /17 875 1111

For Sale Fisher wood burning fireplace insert in A1 cond, also 4 holstein bulls, 15 months old, 215 34/ 2152

For Sale Exceptionally nice heavy oats about 500 bu at $2 50 per bushel delivered if not too far 215-488-6315

Wanted Beagle, broke, no trash chaser, price no object. /17 345 3583

For Sale Christmas trees from 6 25 ft Scotch Pine, Austrian Pine, Balsam Fir, Norway spruce, $6 00 up /17-444 3344 Perry Co

For Sale Reg German Shepherd pups, excellent farm dogs Seven weeks old $85 Black and silver, Berks Co 215 /56 65/4 or 215 /56 6280

For Sale 57 Dodge 300, good for parts, best offer 215 /56 6423 Berks Co

For Sale Two 8/8 15 steel belted radials, mounted on Chevy rims, one brand new $100 for pair York Co /17 382 4/93

For Sale Used white alum siding, old logs, used lumber, old floor-boards Complete oil heating system Sch Co /17-345 4015

For Sale Walk in cooler & freezer approx 8 wide, 16 long, 10 high with 2 Copeland $950 Berks Co 215-367 5167

MAILBOX MARKET

For Sale Silver mounted McPherson all around saddle Air tight wood stove, set of ladder jacks, horse trailer Berks Co 215 683 5269

For Sale Approx 1600 gallon liquid manure tank spreader top fill, mounted on old Chev truck Lancaster Co /17 898 6000

For Sale 1976 GMC 6500 w/new Omaha body & twin cylinder Harsh hoist, like new, Orange Co, NY 914 651 4187

For Sale- AKC Chow Chow Pups they will be ready for Christmas, /17 859 3053 Lanc Co

For Sale- Wood saw, fits Farmall A tractor, also I Ford parts Wanted 1924 251 Ford hood, /17 987 3516 Fulton Co

For Sale Agstar 16 crate self-contained sow castle with eight nursery pens, Lanc Co /17 653 5775 after 6 p m

For Sale Fox Terrier puppies, C K King, Kinzer, 4 miles south of Intercourse, turn left on Amish Rd

For Sale- 1969 Chevy step van 20 series 3/4 ton, 10 ft cargo space $1000 or best offer, Berks Co 215-367-5563

For Sale 60 Int pickup 266 V 8 A title runs good, needs some body work Can be restored, asking $595 Lehigh Co 215-756-6670

For Sale- UCXXX Deluxe Agway s best automatic water conditioner Brand new $375 /17 867 2243 Leb Co, Pa No Sun calls

For Sale- 1 roll hog wire $35 Wanted 3 mallard (female) ducks, /17-993 2919

For Sale- New 3 pt fertilizer & lime spreader $395, new 3 pt / sliding blade $250 Schuylkill Co /17 345-4882

For Sale Springing Ayrshire heifer, Sire Madge's Boy, Dam 19,000 milk 3 9% 750 fat Chester Co 215 286 9467

For Sale Recliner chair, good shape $15 Mens suede jacket, silk lined, size 44, like new $20 Berks Co /17 933 8084

Wanted Badger, single chain conveyor & self propelled feeder Will buy either or both Any length Lanc Co /17 665 3865

We will repair four horse collars For Sale 80 used collars, all kinds Christ E Fisher, Paradise #1 Pa 17562

For Sale AKC Miniature Collie Puppies, Daniel B Petersheim, Christiana R1 Pa 17509, Box 90, Old Dam Rd

For Sale New B&S 11 H P engine to fit Onan Power Plant Samuel S Stoltzfus, 2447 Stumptown, Rd, Bird in hand, Pa

For Sale Recording thermometer for milk tank, 12V or windup, Henry A Mast, R2 Box 138A Dover, Del 19901

Wanted Good overhead door 9 9 8 Wide x 8 2' High w/glass For Sale Used long lasting Berg barn cleaner chain Lanc Co 215 445-5309

For Sale Close Springers 1st & 2nd calf Holsteins Reg & Grade $1,100 to $1,300 Reg 450 lb Holstein heifers, Franklin Co /17 263 5702

For Sale Reg + Black Angus club calves, heifers & feeders 550 650 lbs Yellowhouse, Berks Co 215 689 9168

For Sale Registered Angus 1 open heifer, 2 heifers due 2nd calf spring, /17-252 4416 York Co

For Sale AC 6 snap coupler rear mounted blade $250 10 pcs 3/4 x4 x10 plywood $20 each Lebanon Co /17 865 6860

For Sale 300 gal Mojonnier milk tank, good cond, Chester Co 215 255 4527

MAILBOX MARKET

Guaranteed stud service $50, fancy registered Belgian must see to appreciate, John L Stoltzfus, Box 125B Cochranville, PA 19330

Wanted Christmas trees for Christmas 1981 Will buy cut or in ground, 215 968-4440

Fox Terrier stud service /17-354 /186

For Sale Peafowl, 6 cocks, 1978 hatch $50 each, also 1979 chicks, $10 and up, Westminster, MD 301 876 1235

For Sale- Reg Angus bulls and heifers, Orange Gate Angus Farm, Maurertown, VA 22644, 703-459-3414

Wanted 200 300 gal holding tank, meat grinder, 30 gal S S barrels, castors, S S 6 ft table, ratchet press, S S sink, 215 862-9148 10 5

For Sale English Saddle, 16' youth size, $90 Crupper strap, girth and stirrups also available, excellent cond, Lanc Co /17-626 6311

Help Wanted Person to help out after January 1st with housework and child Call 215-268 3303 after 6

For Sale 3 firing crates, like new Elmer B Stoltzfus, RD2 Box 2380, Gap, Pa 17527, Lanc Co

For Sale 32 volt Delco generator unit, running cond, make offer! /17 626-0547

For Sale Two Holstein grade heifers, one milking, one springing, very close Lebanon Co /17-933 4224

Wanted 1955 thru 1960 Ford & Lincoln car parts TD6 parts Huber Road Maintainer, Rear 6 lug rim, 215-374-9203

For Sale- 70 Oliver, Lanc Co 215-267-4635

For Sale 20 standing cherry trees Sauder loader bracket David E Zimmerman, 2135 S 5th Ave Leb, Pa 17042

For Sale- 32 ft Smoker elevator $250 12x50 mobile home for shop or farm use $1100 Lanc Co /17-733 8434

For Sale 1956 Chevy truck with hoist, 11,000 gross $300 Lanc Co /17 665 4239

For Sale 3 IH plow bottoms, 4 bolts shares 16 or 14 very good cond, will fit Lanc Co 215 445-4893

For Sale 2 service age York Duroc cross boars PRV tested priced to sell Lanc Co 215 445-4716

Wanted JD 435 Diesel tractor, any condition, /17-354 5489 Lanc Co

For Sale Tame young Guernsey cow, easy milker $550 Paul M Hoover, Black Creek Rd, East Earl, #1 Pa 17519

For Sale 8 seven month old corn fed Guineas Also Red Satin, Netherland Dwarf, Angora, Checkered Giant, 215 445 6300 Lanc Co

Wanted Electric control panel and 1/3 HP motor for Laidig bottom unloader For Sale- 15 KW generator, /17 548-28//

For Sale Klenzade cabinet type tank and pipeline washer, good cond, Lanc Co /17 859 3920

For Sale Attex A I V double pony harness, 14 ft boat with trailer, Hammond auto pipe organ, 42 round table, /17 225-1045

For Sale 14 ft Starline tripod, like new, also 28 ft little Giant elevator, Lanc Co /17 656 8531

For Sale Spring wagon, very good cond, roller bearing wheels Pequea Coach Shop, Narvon, Pa R2 Box 280, 17555

For Sale- Full Morgan, no papers, 5 years old, guilding, rides, drives Lycoming Co Allenwood, Pa /17 538 5383 after 5 p m

For Sale Approximately 5 ton of red Norland potatoes Wholesale or retail /17 225-1845 York Co

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MAILBOX MARKET

For Sale Good used 8x14 storage shed $650 Israel S Martin, Huyard and Reidenbach Rds New Holland RD#3 Pa

Wanted Pair of used 20 8 38 tractor tires For Sale Pair of used 16 9 34 tractor tires and tubes Lebanon Co /17 866 2091

For Sale 5 Fox Terrier Chihuahua puppies, first come first choice, Jacob P Beiler, R1 Box 319 Kirkwood, Pa 17536

For Sale- Breeding age grade holstein heifers, Amos L Beiler, 135 Monterey Rd, Bird in Hand

For Sale 4 Dorset ewe, 3 Dorset ewe crossed, 5 bred ewe 2 with lamb Carlisle /17-243-8845

For Sale- Miller gun burner for mobile home, good cond, $300 Lanc Co /17-284 3270

For Sale- Small Deutz tractor, Sauder loader with fork and snow bucket, hydraulic dump Everything like new, Lanc Co /17-656-7108

For Sale- IH TD9 or WD9 rebuilt head also very good cond engine for both models, Lanc 215 445-6186

For Sale Pomeranian puppies ready for Christmas, Lanc Co David Stoltzfus, Gap R1 Box 470 Millwood Rd, Pa 17527

For Sale- Heavy duty snowplow 2'x7' $60 Also aluminum frame picture window 36"x52' $35 Lanc Co /17-367 6103

For Sale- 3 Grade Holstein heifers due Jan, Feb, May Elam Z Stoltzfus, Spring Glen, Pa 17978 Schuylkill Co

For Sale- Gax metal 8 hole hog feeder $60 6½' Meyers snow plow & accessories $275 York Co /17 225-4175

For Sale Petter Diesel engine, 7½ horse power in good cond, works like new $800 215 445 5887 Lanc Co

Wanted- 540 PTO shaft for TD6 Int crawler tractor Alvin B Leid, Ephrata R3, Pa 17522 Martindale

For Sale 6 mo old St Bernard female dog, $165 Eli Dienner, Parkesburg #2 Moscow Road, Chester Co

For Sale- 9 heifers home raised. Sired by Atlantic due soon, /17 354-5489

For Sale- Standard barn cleaner with chain drive and some chute, exc cond Lanc Co 215 267-6280

For Sale Used 3/4 hp electric motor, good cond, Daniel Esh, east of Strasburg on #741 Paradise R1

For Sale Pedigree rabbits, New Zealand Whites, Creme D'Argents mini lops, Himalayans 1st and 2nd prize winners Ceciliton, Md 301 275 2562

For Sale 2 4'x8 hog nursery crates, woven wire floor, hog panel sides $200 each Lanc Co /17 859 2182

For Sale- NI 12A spreader, like new, $795 NI 402 hay rake, rubber teeth has dolly wheel, like new /17-354 0266

For Sale Big standard bred carriage horse needs driving, $750 Levi S Stoltzfoos, 305 East Eby Rd, Leola, Pa 17540

For Sale Ford sectional wheel weights for 800 Ford tractors, complete set $350 /17 249 2300 Cumberland Co

For Sale JD 3x16' trailer plow Case 3x16 3 pt plow M M U T S tractor Cumb Co /17 776 3488

For Sale Two registered Tenn Walker stallions, (1) chestnut 6 yrs trained to show, (1) black 11 yrs Elk Co 814 885 8364

For Sale Holstein heifer, 8 months old, healthy and fat, $200 Chester Co 215 932 4728

MAILBOX MARKET

For Sale Australian cattle dog pups, blue heelers From good working stock Ready to go mid December Mifflin Co /17 899 7755

Wanted Double O Frick Saw Mill for parts Write Richard Conrad, 48A Oakglade Dr, Hummelstown PA 17036 or call /17 566 0896

For Sale 10Wx14H white steel garage door, can be shortened for height, $350 York Co /17 862 3536

For Sale Twenty two yearlings Angus Simmental & Charolais Ten steers, 12 open Approx seven hundred pounds Milbourne, Cecil Co 301 398-2751

Wanted- A place in Lycoming County to hunt doe Prefer north east Staying in Wheelerville Call collect Northampton Co 215-759 7647

Monroe Co. Rent Cabin, ski area Private slope, $5 lift ticket Shawnee area 609 424-3784

For Sale Holstein bulls, service age, purebred and grades Levi M Stoltzfus, 31 E Eby Rd, Leola, Pa 17540

For Sale 10 acres or up to 125 woodland, 10 minutes off turnpike, Sam J Stoltzfus, Willow Hill, Pa 17271

For Sale Ford 801 Workmaster, 3 pt, wide front, looks and runs like new, $2500 Montour Co /17-672-2021

For Sale 1980 Chev Bonanza 30 camper, special 9000 GVW, air, /17-653-1568

MAILBOX MARKET

For Sale One used Patz liquid vator (manure pump) 25 long, 5 h p motor, used 2 yrs $2500 Centre Co 814 355 5941 or 355 4231

For Sale AC Round baler & AC Model 60 combine, Franklin Co /17 532 2569

For Sale 1973 Datsun 240Z, 4 speed, new paint, mag wheels, good cond, $2750 /17 687 8536 Lanc Co

For Sale Irrigation pipe, 40 pcs 6 inches x 30 ft, good cond, 814 793 3927

For Sale AKC Siberian Husky, female, 12 mo old Has shots, $100 or best offer Franklin Co 717 532-9441

For Sale 9' Gooseneck silo pipe, like new, Ben E Stoltzfus, RD1 Box 345, Peach Bottom, Pa 17563

For Sale Reg Hampshire, Suffolk and Southdown Rams Preston Bankert, #3, Red Lion, Pa 17356 717-244-1244

For Sale Cookware, stainless steel, waterless, must sell, ½ of going price, slightly used 717 464 4662

Will buy & sell all types of horse drawn equipment 215-593 5754

Groffdale Lawn mower sharpening - Along Rt 23 acorss from Short Rd ¼ mile west of Witmer's Coach Shop Henry K Fisher, 494 E Main St, Leola, Pa 17540

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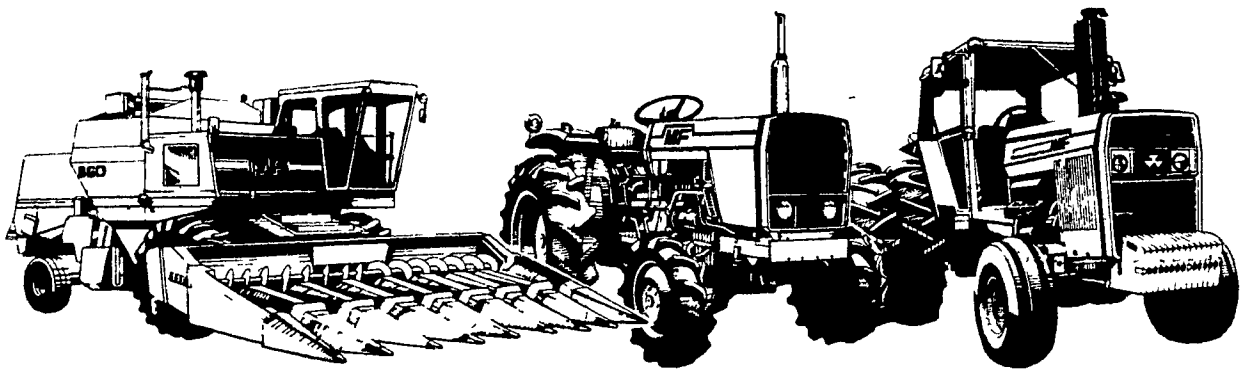

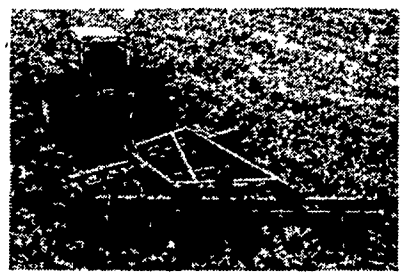

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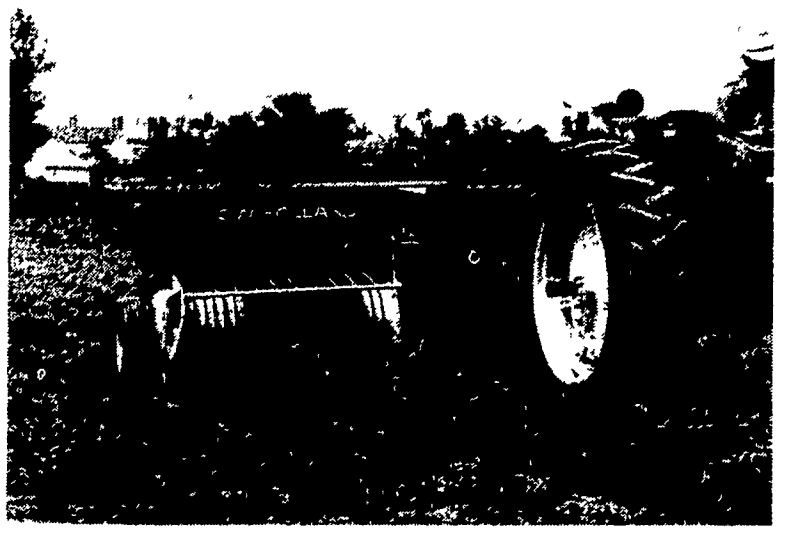
Farm Business News

New Holland offers baler



NEW HOLLAND — A new Hayliner baler, the Model 311 from Sperry New Holland, offers improved capacity and reliability for moderate-size haying operatings. It's available in twine or wire tie and PTO or engine-drive versions.

There's a choice of standard or Super-Sweep pickups and mechanical drive or hydraulic bale throwers are available in addition to wagon loading bale chutes. Bale cross section is 14 X 18 inches.

The new "311" uses the same feeding system as the large Model 315 baler. Improved bale case design and the plunger, knife and hay-dog relationship add to its work capacity and provide better bale shape. This simplifies mechanical handling where automatic bale wagons are used to reduce haying labor to the minimum.

Horn family becoming sole Pennfield owners

LANCASTER — Pennfield Corporation, 711 Rohrerstown Rd., has announced that a formal intent has been signed that would allow the corporation to purchase the Pennfield stock currently owned by the Graybill family.

According to a joint announcement by Robert B. Graybill, president, and Ernest O. Horn, Sr., chairman of the board, this would result in all future outstanding shares being owned by the Horn family.

Graybill and Horn said that all shareholders in the privately held company had voted to approve the sale, which is expected to be finalized in January, 1982. They said that all the company's divisions would continue to operate without change.

New officers are expected to be announced when the purchase is finalized. The amount of the transaction was not revealed.

Pennfield was founded in 1971 through the consolidation of two century-old companies, Miller & Bushong, Inc., of Rohrerstown, and D.E. Horn & Co., Inc., of York. In the 10 years since its founding, the diversified agricultural products company has grown from annual sales of $35 million to over $150 million. The firm manufactures and markets poultry and livestock feed in Pennsylvania, Maryland, Delaware, and New Jersey, and produces eggs, broilers, seed, and allied products for sale throughout the northeast and mid-atlantic states.

Company locations include corporate headquarters in Rohrerstown; feed milling operations in Rohrerstown, Lancaster, York, Palmyra, and Red Lion; Pennfield Farms egg division in Ephrata; Pennfield Farms poultry division in Fredericksburg; Beachley-Hardy Seed Company, Shiremanstown; and Palmer Green Company, Shippensburg. The company employs in excess of 700 people.

IH, NASA plan joint ag study

CHICAGO — International Harvester today announced it has entered into an agreement with the National Aeronautics and Space Administration to develop a computerized geographic information system to forecast agribusiness needs.

The new system is intended to supplement IH's agricultural industry market research program and will demonstrate commercial application of NASA remote sensing techniques.

The company said that the quality of information on international agriculture varies from country to country since data on less developed nations is not well established. The utilization of NASA Earth Resources Lab mapping technology by IH will greatly contribute to development of a comprehensive data base that provides a more focused view of worldwide agriculture, according to the company.

The system, to be jointly developed by IH and NASA Earth Resources Lab personnel, will combine land-based and satellite data on soil, water, terrain, crop, climate and economic conditions. The information will then be analyzed using mapping techniques, to produce an integrated picture of agricultural trade areas.

Lancaster applies for gypsy moth funds

LANCASTER — The Lancaster County Planning Commission has requested state assistance in spraying 10,112 acres of land to help in controlling the destructive spread of gypsy moths.

This spraying would take place in 1982 and would involve 188 blocks of land throughout the county. The state assistance would be provided through the Department of Environmental Resources who helped spray 795 acres in Lancaster County last year.

DER had until Tuesday to examine each of the proposed areas to determine the "economic and biological soundness of the proposal," according to the Planning Commission. Their review could result in reduced acreage if blocks don't meet state guidelines, or if there are insufficient funds to cover the spraying. DER's decision will be made known in mid-January.

"If sufficient funds are not available, priority ratings assigned to each area will help determine which areas should be removed from the spray program. Priority ratings are based on egg mass counts, use of the area, and previous defoliations," reports LCPC.

For more information on the gypsy moth spraying program, contact Linda J. Reekie, assistant county planner at the Planning Commission office, telephone 717/299-8333.

Pennfield honors veteran employees

LANCASTER — Pennfield Corporation, 711 Rohrerstown Rd., honored 19 employees, who individually had logged 25 years or more of service with the company, at an awards luncheon recently at the Treadway Resort Inn, Lancaster.

The employees represent the company's feed division, located in Lancaster and York; egg division, Ephrata; poultry processing operation, Fredericksburg; and allied division, with operations in Shiremanstown and Shippensburg.

Robert B. Graybill, president, presented engraved watches to the honored guests.

Marking 25 years of service in 1981 were Donald E. Horn, Betty J. Bair, and Edgar Snavely, corporate division, Lancaster; Erel Sahm, Pennfield Farms egg division, Ephrata; Betty Deckert, Edwin Haldeman, and Ralph Kreiser, Pennfield Farms poultry division, Fredericksburg; and Roy Stare, Beachley-Hardy Seed Co., Shiremantown.

Cited for 26 years of service were Dan Rhoads, egg division, Ephrata; Dan Lied, feed division, Lancaster; Allen Sherk, Mary Sherk, Ralph Lehman, and Geraldine Schaeffer, poultry division, Fredericksburg.

Honored for 27 years of service were Elwood Earhart, feed sales division, Lancaster; Kenneth Grimes, and Effie Yerger, poultry division, Fredericksburg; Marlin Diffenderfer, feed division, Lancaster, and Parker Beshore, D.E. Horn & Co., York.

The luncheon also included all employees with Pennfield Corporation and its parent companies who has marked 25th anniversaries prior to 1978.

Veteran employees of Pennfield Corporation include back row, left to right, Dan Lied, Dan Rhoads; front row, left to right, Mary Sherk, Geraldine Schaeffer, Allen Sherk.

Employees of Pennfield Corporation recently honored include back row, left to right, Ralph Kreiser, Edwin Haldeman; front row, left to right, Edgar Snavely, Roy Stare, Erel Sahm, Betty Bair, Donald Horn.

Among Pennfield employed honored for service were left to right, Marlin Diffenderfer, Ken Grimes, Effie Yerger, Elwood Earhart.

Partnership agreement booklet available

LANCASTER — It has often been said that two heads are better than one and in the business world, that adage is especially true.

If you are either planning on engaging in a business partnership or are presently part of one, the Penn State University Cooperative Extension Service has a free circular that may help you run your operation more efficiently.

The publication, "Drafting a Partnership Agreement," can help both prospective and present partners develop a written agreement that meets both business and estate planning purposes.

Entering into a partnership has many satisfactions but can also provide frustrations. A well-documented partnership agreement can enhance the satisfactions and minimize the frustrations.

A business agreement should contain the who, what, where, when, and how of the business operation. It can be the key to beginning and maintaining a smooth-running, pleasant, and profitable working relationship.

The booklet contains the information about the major aspects of the partnership agreement: ownership, financial contribution, labor and management, partner limitations, and dissolution.

The publication also contains a section of sample agreement outlines, and an agreement worksheet that potential partners can use to examine and evaluate all aspects of their business relationship.

For a copy of the booklet contact your local county Extension office. Ask for Special Circular 265.

Dineen moves from Allis to White

DALLAS, Tex. — Robert J. Dineen has been appointed President and Chief Executive Officer of White Farm Equipment Company, replacing Stratton Georgoulis who served as president since the acquisition of White Farm by TIC Investment Corp. of Dallas, Texas, last December.

Georgoulis remains as Chairman of the Board of TIC.

Dineen's appointment follows the company's November 3 transition from Chapter 11 status.

Dineen comes to White Farm from the Fiat-Allis Company where he has served as president for the past five years. An electrical engineering graduate of the University of Cincinnati, Dineen has career of 25 years in marketing, manufacturing and engineering, and general management with Allis Chalmers. He served as corporate vice president, group executive, and finally President of Allis Chalmers Power Systems before moving to Fiat-Allis in 1976.

U.S.-U.S.S.R. grain agreement essential, says NCGA president

WASHINGTON, D.C. — "Without another grain agreement between the Soviet Union and the United States, the likelihood of any degree of either normality or certainty of increased U.S. grain exports to an expanding USSR market is substantially diminished," Bill Mullins commented following his return from the Soviet Union.

In his capacity as the president of the National Corn Growers Association, the Shabbona, Illinois corn farmer spent a week in Moscow meeting with a wide array of Soviet officials responsible for overall agricultural production, procurement and distribution. This recent trip was a continuation of the effort to maintain a channel of informal and frank dialogue that was initiated with his trip to Moscow in September, 1980.

Mullins stated that "...this most recent trip to Moscow proved as successful as the previous one, and the ongoing contacts with Soviet officials in Washington about US-USSR grain trading issues." Among various issues and mutual areas of interest that were discussed, Mullins indicated that the following ones were predominant:

—An unofficial but frank assessment of the facts affecting the attitude and position of the Reagan Administration to enter into negotiations for another grain agreement.

—The relative importance of having access to "reliable foreign markets" within the context of the Soviet's commitments for projected agricultural production, storage, transportation and processing under the 11th five-year plan for the 1981-1986 period

—Implications of the evolving U.S. Farm Bill for U.S. grain production, farmer-held reserve and U.S. international grain trade policy

—An assessment of the outlook for grain production potentials in Southern Hemisphere countries and available grain export supplies

Accompanied by Michael Hall, the NCGA Washington Representative, Mullins stressed that "...U.S. officials had clearly committed the United States to making available a total of 23 million metric tons of corn and wheat to the Soviet Union in the 1981/21 season. In addition, the Soviet Union was as free as any other foreign customer to purchase other agricultural products in accordance with their import requirements." Mullins and Hall cautioned, however, that U.S. grain prices could well be at the season's low level, citing the completion of the harvest and that prices are far below the cost of production.

"At the current price levels — below both loan and farmer reserve level," Mullins recalled too that "...it would be an opportune time for the Soviets to purchase for later delivery up to the 23 million ton corn and wheat authorized level." If U.S. grain prices remain at current levels, farmers would maximize placing grain in both the regular loan program and the farmer reserve, all of which will generate additional farmer demands for reduction in 1982 grain production.

During various meetings in Moscow, Soviet trade officials made reference to "...contradictory statements by U.S. Government officials about whether or not the United States if 'prepared' to negotiate another long-term grain agreement." According to the NCGA President, "it appears that Soviet officials raised these observations simply to underscore Soviet intentions to rely on countries with grain agreements for the predominant volume of annual grain and protein import requirements."

Underlining the conversations about all of these issues with Soviet officials was the preference for another U.S.-Soviet grain agreement. In addition, it reflects the Soviet preference for U.S. corn and protein because of reliability of arrival quality and efficiency of conversion in poultry and livestock feeding, Mullins commented about

(Turn to Page C4)

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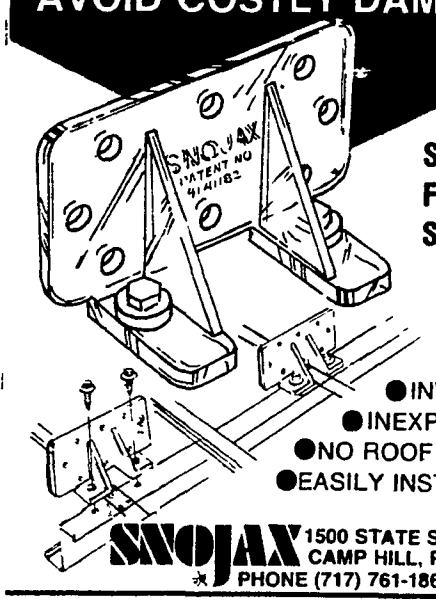

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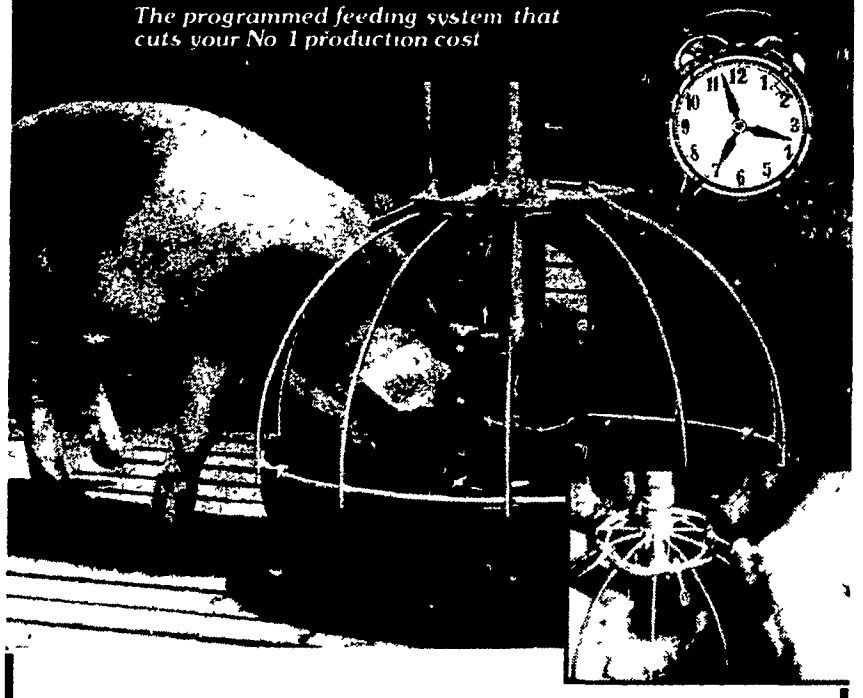

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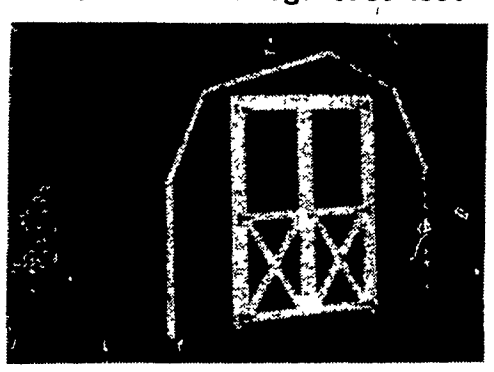

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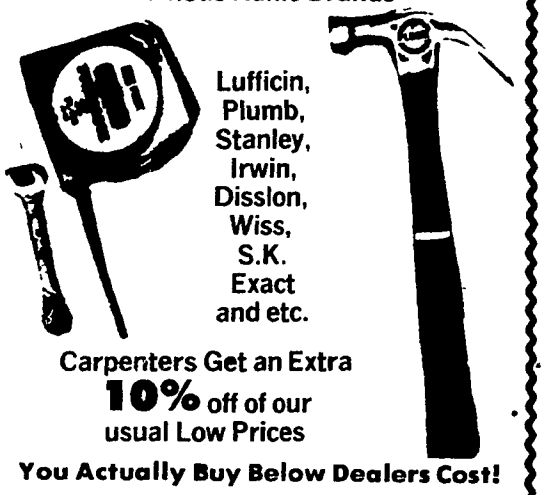

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Schuylkill County DHIA Monthly Report

October 1981

The following are reported from the production report for October 1981 based on a 365 day Rolling Herd Average Only those herds with an average production of 550 pounds or more of butterfat are reported Individual cow reports remains the same as the past

OWNERS	NO COWS	LBS MILK	LBS. FAT
Miller & Rex, Inc	30 8	19,432	772
Heisler Brothers	68 6	17,904	700
Suntrail Dairy Farm	47 3	17,937	677
Paul & Ken Wagner	57 7	17,740	675
Carl A Farms	60 3	18,435	663
Bruce Leatherman	59 4	17,687	660
Wilbert Moyer	36 5	17,589	648
Carl & Dale Heisler	63 8	17,494	639
Martin L Daubert	36 8	15,035	624
Melvin E Stoltzfus	38 3	16,664	614
Elam Z Stoltzfus	40 6	17,196	611
Snyder Brothers	78 7	16,434	610
Brian Ruch	19 9	15,846	605
Dawn F Rhein	65 5	12,923	603
Paul Heisler	52 0	16,149	594
Marlin L Lesher	33 2	14,464	593
Raymond Reichwein	23 1	14,494	585
Clark Reiner	20 0	15,671	584
Kurtz Dairy Farm	71 6	17,441	576
Irvin Hepler	40 3	14,362	572
John P Leatherman	54 7	15,737	570
Franklin Troxell	46 8	14,349	568
James Rodichok	38 5	15,442	557
William R Daubert	87 7	14,050	556
Jersey Acres Farms, Inc	56 6	11,537	555
Carl W Brown	49 3	14,827	550

Eighty-four cows finished lactation records with 600 lbs of milkfat in October The records are based on 305 days or less, 2x actual production

OWNER NAME or NUMBER	AGE	LBS MILK	LBS FAT
Paul & Ken Wagner Sue	7 0	23,453	947
Heisler Brothers Paulita	4-2	23,153	886
Heisler Brothers Sadie	6 2	23,555	882

(Turn to Page C6)

U.S. - U.S.S.R.

(Continued from Page C3)

another long-term grain agreement

"Irrespective of the Reagan Administration to 'lift the Carter grain embargo'," Mullins stressed that "...the January 4, 1980, embargo announcement looms large in Soviet considerations about the importance of the American grain market. And these questions grow larger each day with 'contradictory statements' and delays and lack of official communications about a date and place for attempting to negotiate another US-USSR grain agreement."

During the visit of Mullins and Hall to Moscow, they were briefed by high-level Soviet officials about recent Soviet commitments to allocate increased resources to and to de-centralize management decision about agricultural production, procurement and distribution for domestic and imported agricultural products. According to them, "such decisions are not only a result of the U.S. trade embargo in 1980, they also reflect the uncertainty about or the lack of any movement from the United States to put into place another US-USSR grain agreement."

Mullins also pointed out that the Soviet Union plans to commit domestic resources to attempt to reach certain average annual production goals in the 1981-1986 period:

—Average annual grain production at 40 million tons over the 1976-1981 annual average of 200 million metric tons

—Average annual poultry numbers to 3 billion units from the 1976-1981 average of about 2.5 billion

—Average red meat production at more than 18 million tons, about 3 million tons more than the 1976-1981 average

Coupled with past annual grain harvests, any additional shortfalls in domestic grain production will only require the Soviet Union to turn to the international marketplace to make up for any shortfalls in agricultural production to meet rising Soviet demand, Mullins forecast.

"And such shortfall in grains, poultry and meat production will be purchased from countries willing to demonstrate a commitment to be reliable trading partners through long-term agreements. Faced with record U.S. corn and wheat production and a record level of soybean stocks in 1981," the Shabbona, Illinois, NCGA President stated, "it is clearly time to either normalize corn trade relations with the Soviet Union or to demand compensation payments for U.S. corn farmers from the U.S. Government for creating a climate of uncertainty that will result in future lost grain export sales to the Soviet Union.

"If other dimensions and aspects of overall U.S.-Soviet Union relations are to be used at the expense of Agriculture Secretary Block's commitment to improve U.S. farm income from the international marketplace," Bill Mullins stated, "the ultimate loser will be the U.S. Government — and in turn the U.S. taxpayer — in making ever increasing price support payments for decreased grain production from the most productive and efficiency agricultural plant in the world."

"The potential for expanded U.S. corn and agricultural exports is tremendously bright; however, this potential can only be realized through an improvement in governmental relations between the Soviet Union and the United States," Mullins concluded. "The effects of the January 4, 1980, embargo are still with us inasmuch as the subsequent decisions by the U.S. Government about Soviet trade cannot be clearly defined.

"Therefore, it is imperative that Agricultural Secretary Block initiate formal communication with his Soviet counterparts to be the process of either establishing or negotiating another mutually acceptable trading structure for U.S. agricultural exports. Only this development will begin to demonstrate that the United States will become a dependable supplier of corn and commodities to the Soviet Union in exchange for Soviet commitment to become a reliable market for these products."

The National Corn Growers Association is made up of corn producers from 16 states, with the purpose of promoting the general welfare of U.S. corn farmers by maintaining and developing domestic corn production and price and income support programs consistent with a market-oriented grain economy.

The activities of the organization are conducted through two offices, located in Des Moines, Iowa, and in Washington, D.C. State members of the National Corn Growers Association include Colorado, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, New York, North Carolina, Ohio, Pennsylvania, Virginia and Wisconsin.

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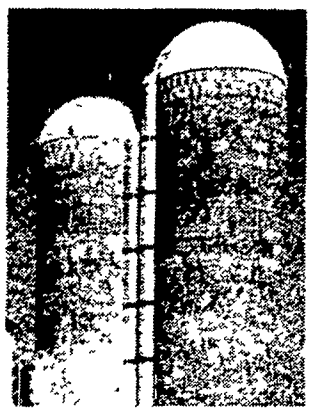

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HOOK-LINK™ barn cleaner by JAMESWAY

Manure-moving paddles

The new Jamesway Hook-Link barn cleaner features manure-moving 3/16" thick steel paddles, 16" or 18" long, with reinforced wear shoes Paddles are tapered from 4" high at the outer tip to 2" high and are welded to the link at a 12° angle Liquids are carried by the 4" deep trailing end of the paddles for superior removal The hook of the chain link can easily be removed from eye for fast chain take up without tools All forged link, extra thick at wear points

It's worth more than you realize.. costs less than you think.

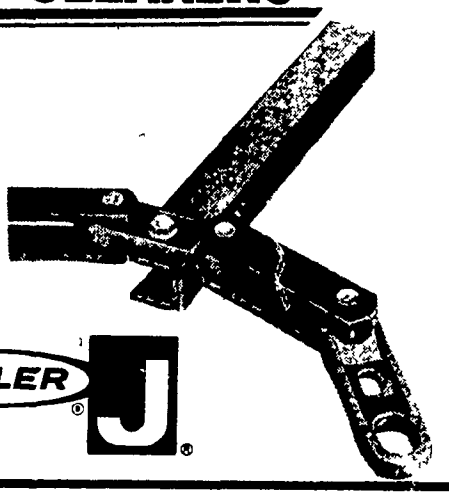
CUSTOM MADE GATES & PENS

Made To Your Specifications

Yes, Now From Jamesway - A REVERSIBLE ENDLESS CHAIN

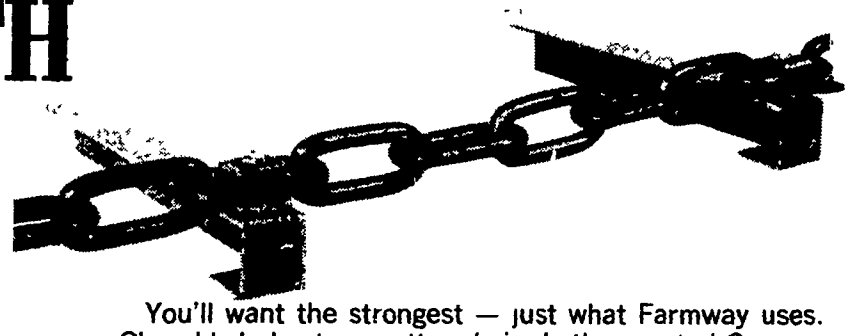
In addition to the quick-detachable hook-link barn cleaner chain, we also provide the reversible endless chain Its links are also totally-forged for strength and long life They are held together by 5/16" thick steel side bars with alloy steel con nector pins that are dove-tail swaged under pressure to prevent their loosening under working conditions.

This endless chain moves five feet per minute when it is used on a free access stall alley cleaner, and it moves 23 feet per minute when it is used for cleaning gutters and when it is used on the manure stacker



STRENGTH

Farmway GUTTER CHAIN



You'll want the strongest — just what Farmway uses. Closed-link, log type gutter chain, both imported German made chain and domestic chain. Farmway's gutter chain gets its unbelievable strength from nickel alloy steel. The 5/8" size is proof tested at 35,000 lbs. — with a minimum break test of 54,000 lbs. Farmway's Gutter Chain gives you unlimited flexibility and smooth operation.

NON-SIPHON CAST WATER CUP

FWG 547

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★ Bowl Removes Without Tools
★ Hot-Dip Galvanized Inside and Out
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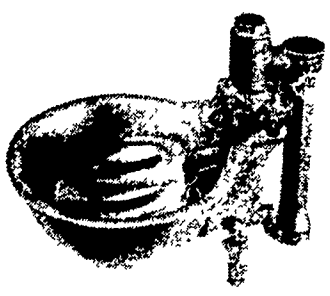
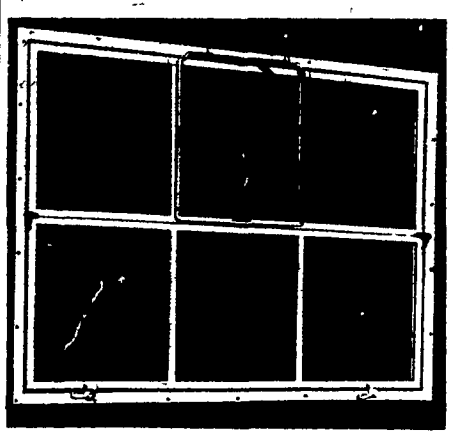
★ Water Cannot Siphon Back
★ 10½" long, 10¼" Wide and 4½" Deep



CUSTOM BUILT AIRLITE WINDOWS



• Choice of 6-lite & 3 lite
• Hot-Dip Galvanized finish

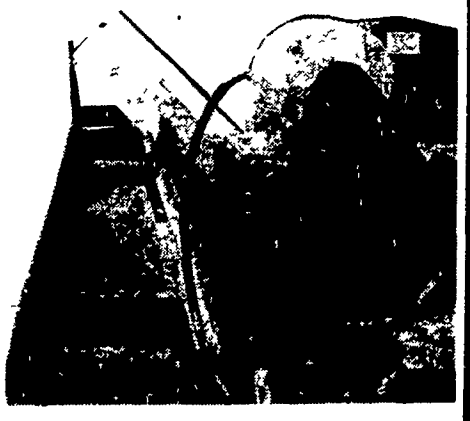
The 6-lite model provides nine square feet of glass area and the 3-lite model provides 4½ square feet

Weep holes in the lower sash frame drain moisture to the outside of the building

★ IN STOCK

RED BARN RUBBER COW MATS

The All New Model CUSTOM BUILT BARN CLEANER



Totally Enclosed Gear Box

Shuttle-Stroke Barn Cleaner

Unique design of shuttle stroke cleaner provides extra versatility of arrangement in barns with single or odd-number gutters, especially when used in combination with the chain type cleaner

Pitman bar attached to chain of mechanical drive unit transforms rotary motion into back-and-forth motion Steel bar in corner of gutter moves back and forth in eight-foot strokes

On the forward stroke, malleable iron paddles fold open across the gutter to move manure toward the spreader

On the reverse stroke, the paddles fold back against the bar to by-pass and mix the manure they will carry forward on the next stroke The push-pull action is illustrated below

GUTTER BAR AVAILABLE

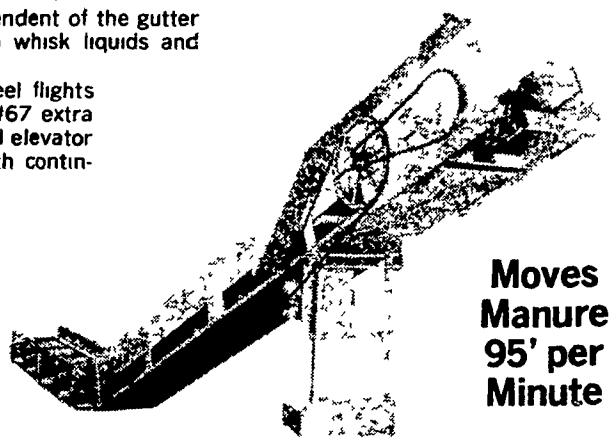
CUSTOM MADE LIQUID ELEVATOR AVAILABLE

The Liquid elevator runs independent of the gutter mechanism, nine times faster, to whisk liquids and solids into the spreader

Heavy-gauge channel-sections steel flights are bolted every two feet to the #67 extra heavy agricultural chain Galvanized elevator trough is 18¼" wide, 8" deep, with continuous sanitary bottom to eliminate manure drop-off

Chain is driven about 95' per minute by 1 h p or 1½ h p motor operating on 220 volts Motor mount is adjustable Pulley wheel has oilite bearing

Drive mechanism of Liquid elevator is completely covered Drive shaft also features oilite bearings



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(Continued from Page C4)

Carl A Farms Pam	4 1	26,642	881
John P Leatherman America	4 2	26,738	878
Heisler Brothers Petunia	7 2	21,608	873
Snyder Brothers Pepper	7 1	23,699	868
Suntrail Dairy Farm Whitey	3 5	20,531	847
Bruce Leatherman Libby	3 3	25,544	831
Heisler Brothers Alma	6 2	23,854	827
Jersey Acres Farms, Inc Lucy	6 10	15,152	821
John P Leatherman Smile	4 0	19,036	820
Heisler Brothers Tina	3 10	21,400	811
Suntrail Dairy Farm Abrenda	3-1	20,822	795
Franklin Troxell Salone	4 6	17,924	782
Elam Z Stoltzfus Sally	3 2	20,881	781
Franklin Troxell Stephan	6 4	19,907	777
Dawn F Rhein Nesta	8 3	16,015	774
Marlin L Lesher Josie	3 6	18,088	770
Wilbert Moyer Lucy	5 3	20,395	769
Carl & Dale Heisler 13	3 2	21,509	768
Paul & Ken Wagner Alicia	8 1	20,454	762
Miller & Rex, Inc Janis	3 2	20,855	761
Jersey Acres Farms, Inc Georgin	4 8	14,220	761
Heisler Brothers Sara	5 3	20,153	755
Carl A Farms Amber	4-2	23,366	754
Paul Heisler Tiny	3 8	25,064	752
Snyder Brothers Pearl	7 11	20 284	745
Suntrail Dairy Farm Ann	5 9	20,792	742
Melvin E Stoltzfus Theresa	3 2	20,142	734
Paul Heisler Linda	3 1	19,909	733
William R Daubert Marsha	8-11	19,729	733
Carl & Dale Heisler 38	7 5	18,007	730
Marlin L Lesher Marie	5 4	19,202	722
Melvin E Stoltzfus Rosella	3 3	20,595	721
Wilbert Moyer Bertha	3 3	19,337	721
Suntrail Dairy Farm Peg	6 9	22,103	720
Kermit Kahler Belle	3 6	19,341	715
Marlin L Lesher Pip	9-2	18,098	712
Marlin L Lesher Knight	5 3	16,676	711
Paul & Ken Wagner Lillan	2-2	15,637	708
Carl W Brown Donna	4 2	20,688	697
Jersey Acres Farms, Inc Burley	4 1	14,409	697
Heisler Brothers Pauline	9 2	19,158	695
Paul Heisler Willow	5 8	18,562	685
Carl & Dale Heisler 4	3 4	19,054	683
Paul & Ken Wagner Elaine	6 5	16,733	679
Franklin Troxell Pendora	5 2	16,712	675
Bruce Leatherman Angie	5-2	20,101	674
Paul & Ken Wagner Hilda	2-4	18,284	669
John P Leatherman Bambi	4 2	17,182	669
Dawn F Rhein Bobbie	7-8	15,118	666
Snyder Brothers Winston	3-3	17,250	662
Paul Heisler Karen	5-0	18,573	660
James Rodichok Unice	4 3	18,619	651
Franklin Troxell Vinita	4 0	15,963	651
Melvin E Stoltzfus Lay	3 8	17,961	644
Heisler Brothers Karen	2 9	15,744	644
William R Daubert Roz	4 0	16,277	640
Dawn F Rhein Kay	5 4	15,479	638
Paul & Ken Wagner Ivy	2 1	13,616	638
Henry J Reiner Esther	4-7	18,283	637
Snyder Brothers Jan	7 5	16,267	635
Snyder Brothers Jackie	9 1	16,981	634
James Rodichok Sandy	3 7	16,714	634
Heisler Brothers Amy	9 3	17,379	632
George Hinkle 63RG	6 5	16,906	631
Melvin E Stoltzfus Betty	5 4	17,595	628
William R Daubert Trudy	7-4	17,728	620
Elam Z Stoltzfus Alpha	2 1	15,465	619
Heisler Brothers Irma	2-10	12,997	619
Jersey Acres Farms Kate	3 2	11,472	618
Jersey Acres Farms Kathy	3-11	11,485	615
Kurtz Dairy Farm Elaine	3 6	18,353	613
Jersey Acres Farms, Inc Barlee	3 7	14,293	612
Franklin Troxell Oakley	3-10	12,755	612
Elam Z Stoltzfus Annie	4 3	16,169	611
Franklin Troxell Orlando	3-10	16,693	609
Heisler Brothers Gail	4 7	14,230	609
Melvin E Stoltzfus Lilly	3 2	15,694	606
Melvin E Stoltzfus Dolly	5 4	16,777	605
Carl W Brown Louise	7 0	14,817	604
Snyder Brothers Puff	2-11	16,080	603
Martin L Daubert Weejee	2 1	15,287	603

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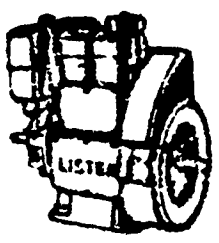

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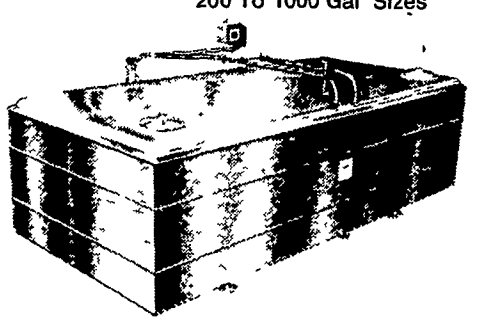

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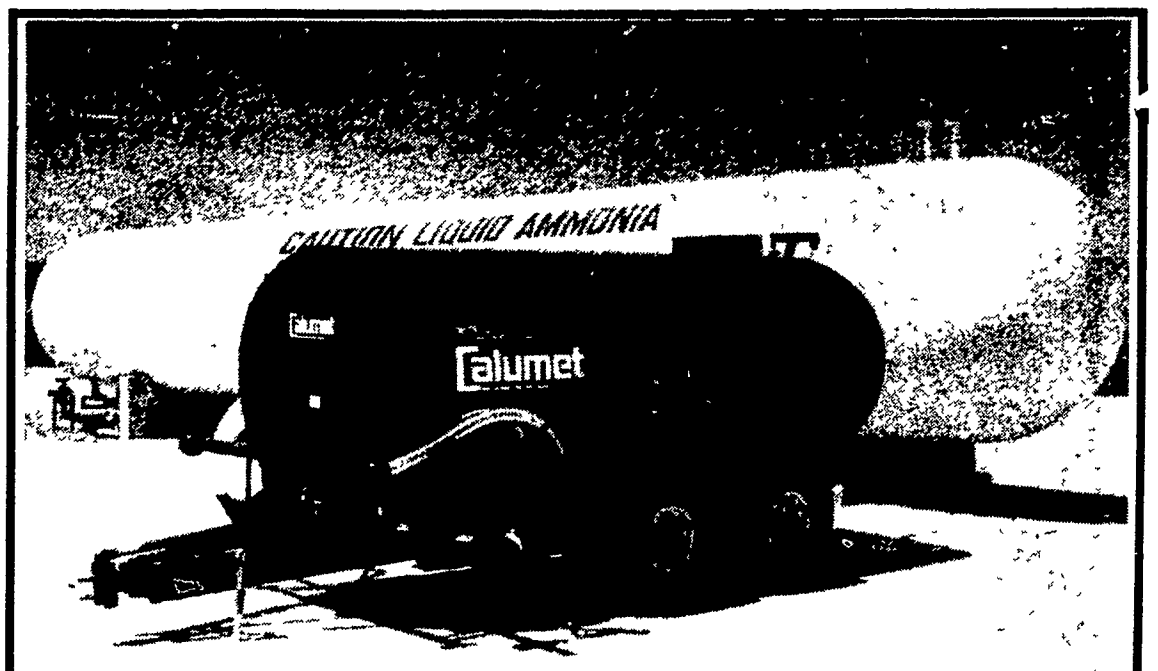
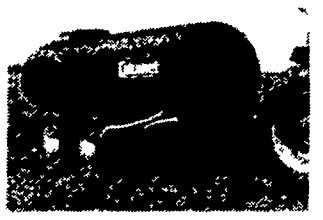


Maybe it's time you switched fertilizer tanks

Switch to a Calumet Liquid Manure Spreader

Compared to today's — and tomorrow's — sky-high fertilizer prices, manure is just too valuable to waste A hundred cow dairy herd, for example, can save thousands of dollars every year in fertilizer costs

Take full advantage of this liquid gold with a Calumet liquid manure spreader teamed with a 4-shank soil injector Injecting can help retain four times the nitrogen that's usually lost with surface spreading — in addition to reducing odor and run-off problems



Calumet spreaders, in capacities from 1625 to 4500 gallons, are engineered for efficiency and longevity Heavy duty steel alloy tanks are coated with epoxy to resist corrosion Double reinforced A-frames and support skids add strength for heavy loads All Calumet liquid spreaders are backed by a 12-month warranty

Make the best use of the fertilizer produced on your farm with a Calumet liquid spreader and soil injector

Call for information on the value of manure— and some good reasons why you should switch fertilizer tanks

Look For The Right One!

Calumet

USED EQUIPMENT
12' Better Bilt Auger Pump
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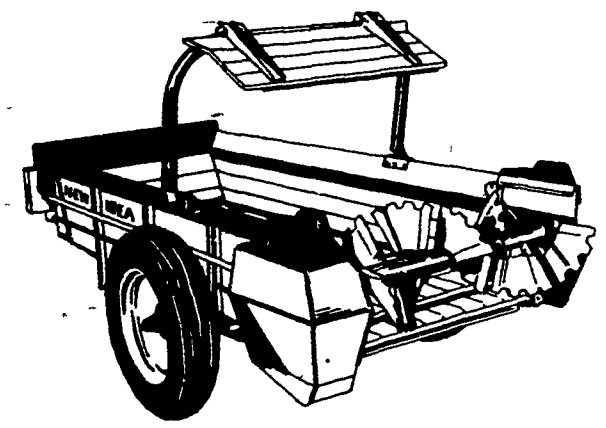
HANDLE SLOPPY MANURE! DO IT QUICKLY AND CLEANLY WITH A NEW IDEA

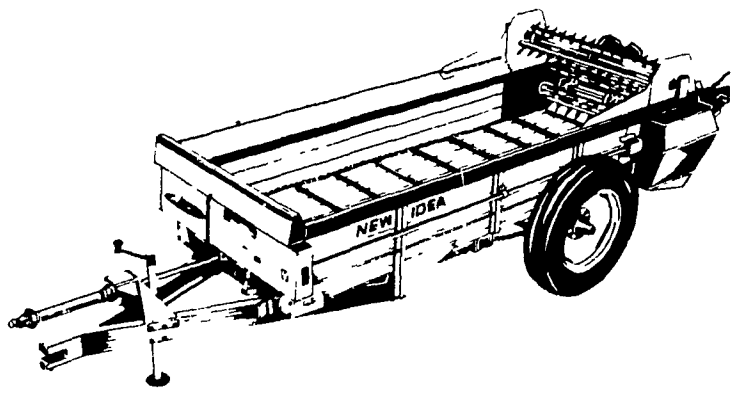
Seal in liquids until you get to the field with the use of an optional hydraulic endgate. Available on any Avco New Idea PTO spreader.



RELIABLE, YEAR-ROUND PERFORMANCE

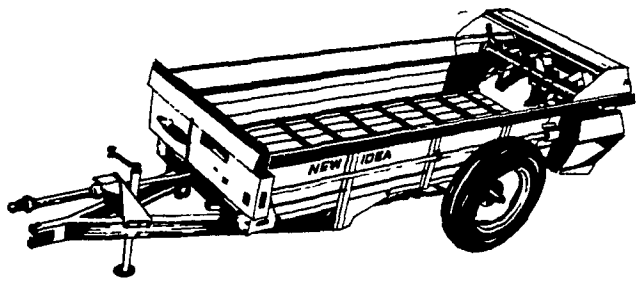
NEW IDEA CYLINDER-PADDLE SPREADER

Throw down the widest spread possible with "The Widespread." Choose from three sizes...each has the quality features you want. it shreds fine, spreads uniformly and with an optional endgate, handles sloppy loads. We've got a spreader that's just right for you!



NEW IDEA FLAIL-TYPE SPREADER

Handle even hard-packed or frozen manure with this unique "undershot" flail design. It throws an 80" to 90" spread down and back where the wind can't break it up. Optional endgate available for handling sloppy loads.



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The Dairy Business

By Newton Bair

The Pile of Goodies Beside the Barn

Remember the game of corner-ball? The object was to tag the player who was brave enough to stand in the center.

Four powerful fellows at the corners casually passed the hardball between them until the center man was caught off-guard by a fast one. We used to think it was fun, as long as we played the corner.

It was the favorite pastime at every farm sale when I was a young fellow. And it was always played — of all places — on the manure pile in the barnyard in front of the cow stable! The sale always ended by selling the cows on the same site, which was heavily camouflaged in a thick layer of straw. The pile later ended up on next years corn field, just like it always has, and still does.

Well, the old time manure pile has largely disappeared from in front of most dairy barns. We've learned to store it more discreetly, out of public view, and with more regard for its real virtues

We've always known the value of manure as fertilizer, but we are in a better position today to appreciate the economics of preserving the nutrients in it and getting the most return from them in our farm crops. So, lets take a look at some of the ways to estimate how much N, P, and K finally gets on the ground from this valuable source.

The New 1982 Agronomy Guide has a table on page 7 that lists the plant nutrients values (N, P_2O_5, and K_2O) which are available from various manures. Of course, if it is spread indiscriminately, with little regard to where or how much is put on a field, the information in the table is of little value.

So, to realize the full value and economy of these nutrients, we have to do a little figuring, and keep some notes on which field gets it, and how much is applied to the field. Actually, it would be best to use the actual analysis of the manure from your storage system. But for the sake of illustration, we'll use the figures from the Penn State Agronomy Guide, which every good farmer should have.

Fresh cattle manure (85 percent water) will furnish 5 pounds of K_2O per ton, available the first year of application. (Actually, it contains higher percentages, but they are only available over a long period of time) So if your spreader averages 4 tons per load, and you spread 50 loads on a 10-acre field (5 loads per acre) the field has received 4 tons x 5 loads = 20 tons per acre. You have therefore applied 20x5 = 100 pounds of N, 20x3 = 60 pounds of C_2O_5, and 20x5 = 100 pounds of K_2O to the field.

the arithmetic so far is simple enough. If your spreader is calibrated in cubic feet, you can convert to tons by multiplying the rated capacity by .03. (Wet manure weighs approximately .03 tons per cubic foot.) If it is calibrated in gallons, this same manure will weigh about 8 pounds per gallon (assuming it is 85 percent water, or 15 percent dry matter).

Some further calculation is going to be necessary to balance up the nutrients applied in the manure against the needs of a specific crop. Looking at another table on the same page of the Agronomy Guide, you can find the nutrient requirements of several crops.

For example, for 125 bushels of corn on medium fertility soil (soil test shows 45 lb. P, 2.5 percent K) the recommended rate of fertilizer nutrients (N-P-K) is 103 - 100 - 80. If 20 tons of manure supplies 100 - 60 - 100, as we calculated above, we really don't have a proper balance of nutrients. So start with the lowest nutrient requirement, which is 80 lb. of K, and apply enough manure to satisfy that amount. 80 pounds of K divided by 5 pounds per ton of manure equals 16 tons of manure to supply the K. But 16 tons will only supply 80 pounds of N and 48 pounds of P.

	N	P	K
Recommended	130	100	80
Supplied - (Manure)	80	48	80
Need to Add	50	52	0

Theoretically you only need to apply 50 - 50 - 0 to be in balance. If Nitrogen is the more expensive element to buy, it certainly will not be too far out to apply more of it from the manure. If your rotation includes alfalfa every few years, a surplus of K in the soil is like money in the bank. Just remember that 26 tons of manure per acre will furnish 130 - 78 - 130 per acre, and we've seen many soil tests that show a large excess of K as a result of over manuring.

The whole point is, manure is more valuable as a source of plant nutrients than ever. We haven't even mentioned the added value of microorganisms, secondary nutrients like calcium, magnesium, and sulfur, or the micronutrient and organic matter values. These are hard to put a price on in terms of good husbandry.

You can get a better picture of the actual value of the manure from your storage - system by having it analyzed. - Kits for manure analysis are available from your local Extension office. I believe this service can become an essential tool in good management of an available resource, just as forage testing or soil testing has

The old game of corner-ball in the barnyard might have been fun, but the old manure pile has a lot more to offer in the way of profit. But only if you take time to play with a few figures!

Chester Farmers' Assoc. holds membership rally

WEST CHESTER — The 1982 membership goal for the Chester County Farmers' Association is 839 members, announced Joyce Hershey, Cochranville and Tom Merroth, Guthriesville, co-chairmen of the membership drive.

County directors and township workers attended a kickoff rally, yesterday at the Thorndale Inn.

"Our objective," Hershey said," is to add forty new members as well as continuing the 834 Association members from last year. Over 500 of last year's members have all ready renewed their membership."

"The membership drive will continue until early January 1982," Merroth explained. "Farmers' Association directors from twelve districts through out the county will be helping the township workers."

"Farmers must work together to analyze and solve problems at all levels," Merroth said. "Only by working together, can farmers develop policy that will be heard by governmental representatives at the local, state, and national level. With one farmer feeding more than sixty people, they (farmers) are definitely in the minority in being able to present their views."

Pennsylvania Farmers' Association was named sixth of the ten top lobbying organizations in Harrisburg in 1979," Merroth explained. It was the only farm organization in the top ten.

Farmers' Association full time representatives promote, protect, and represent the economic, social and educational interests of farm people in the Chester County and Pennsylvania. Each and every farmer, as a member of the county's Farmers' Association, has a voice in shaping agricultural policy at the local, state and national level.

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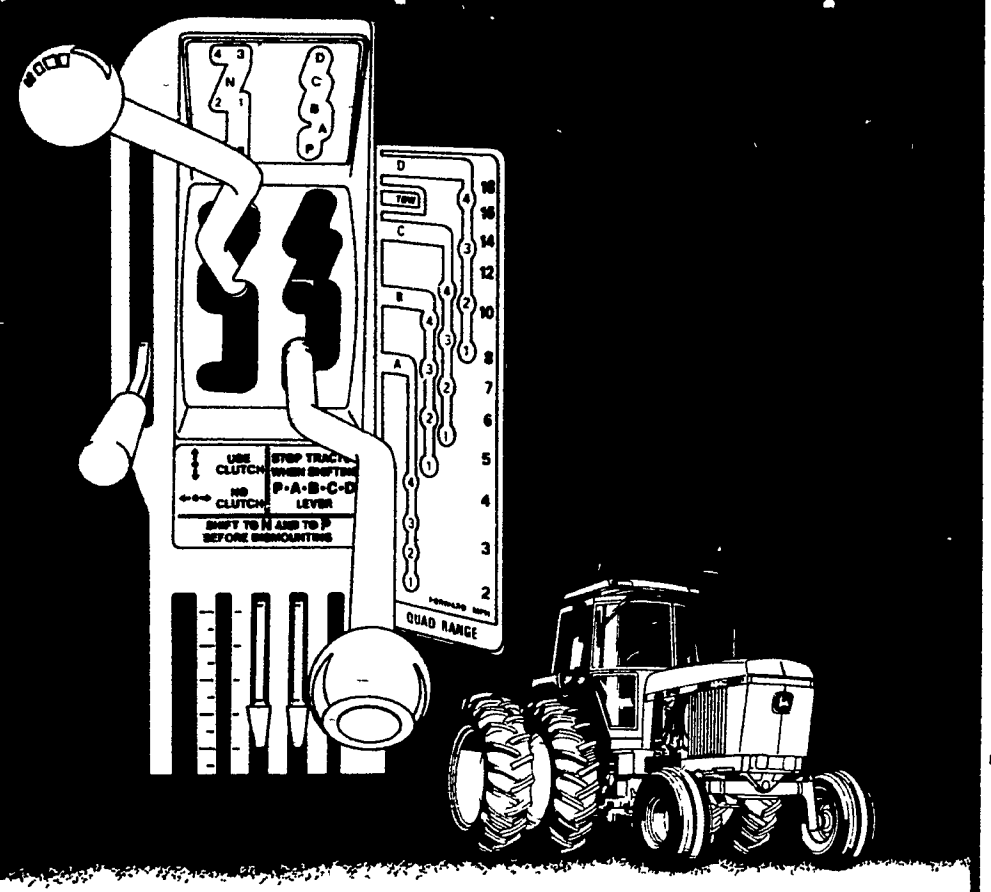

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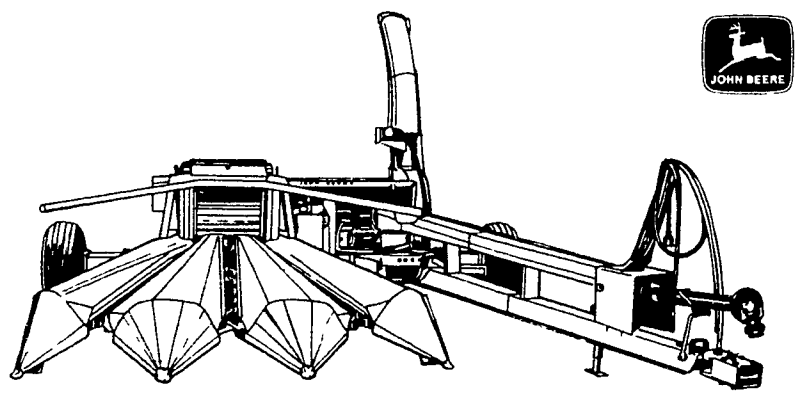

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Dairy Pipeline

By
Glenn A. Shirk
Extension
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You've Got To Get It Into Them

For dairy cows to produce at a profitable level of production, and for them to reproduce regularly, they have to receive the right kinds of feeds, in the right proportions and at the right times!

Recently, I was visiting a dairyman who was experiencing considerable breeding problems. Upon observing the herd, I immediately noticed that a high percentage of his cows were in poor flesh. I suspected they were not milking well, and they weren't.

The farmer was feeding good quality forages, and the grain appeared to be balanced properly for the kind and amount of forages being fed. His feed company had tested for forages, and developed a good feeding program for him to follow. So, what was his problem?

Haylage and corn silage were being fed in a shaker feeder. All the grain was being fed in the parlor, and the high producers were not consuming enough to meet their nutrient requirements.

The haylage, running around 55 percent moisture, was chopped on the long side, and was "feeding out" of his bottom unloading silo very slowly, when compared to the unloading rate of the silo containing corn silage. When both unloaders were run for the same length of time, the ratio of haylage to corn silage was far from what was recommended in the feeding program. Consequently, the ration, as he was feeding it, was way out of balance!

It doesn't matter how good a program you have on paper, or how good your feeds are, if you can't — or don't — get the feed into the cows as recommended. Your actual feeding program — not the recommended program — simply is no good! If, for some reason, the recommended program cannot be implemented as suggested, have it readjusted so it fits your particular herd situation. It is usually profitable to continually fine tune your feeding program as much as possible.

Back to my farmer friend again. In an attempt to compensate for the different unloading rates of the two silos, he'd stop the corn silage unloader periodically to allow the haylage unloader to catch up. He recognized his problem, and he meant well, but he ended up with a uniform mix of forages along the full length of the shaker feeder.

Depending on what portion of the feeder a cow may have been eating from, she could have been consuming an all haylage ration, an all corn silage ration, or varying combinations of the two. I challenge any nutritionist to balance that out!

What could he do? A mixing wagon mounted on a scales would solve most of his problems, but he was not in a position to make an expensive purchase. A different feed conveying system that would provide more mixing as the feed was being transported to the bunk, or being chased around in the bunk, would offer some improvement, but you don't make those changes without a lot of extra expense, either.

So what would be a lower cost [illegible] park his chuck wagon under the haylage silo, and run the unloader for as long as necessary to get the amount of haylage he needed for one feeding. Determine how long to run the corn silage unloader for the amount of corn silage he needed for one feeding. Determine how fast he had to run the tractor to unload the chuck wagon in the same length of time the corn silage unloader had to run. And then, run both of them (the corn silage unloader and the tractor on the chuck wagon) for the same period of time. This would uniformly deliver the required amount of both forages to the feeder in the proper proportions.

Also, since he needs to feed some [illegible] over the amount of grain he fed over the haylage in the wagon. Now he has the equivalent of a total mixed ration. If desired, he could feed some grain in the parlor of certain cows in proportion to their additional needs.

By doing all of this, he can get the job done quite satisfactorily with little-to-no additional capital outlay. One thing that will be required though — and this is key to its success — is a little extra effort and a lot of attention to details. The delivery rate of the unloaders will need to be checked accurately and regularly for precision feeding.

The supplement he was using contained urea. This is okay as long as the cows are consuming sufficient energy and a balanced ration. In his particular situation, I suggested that he consider using the more expensive supplement containing all natural protein, at least until general herd health and performance becomes more normal.

The farmer was also advised to separate the dry cows from the milking herd, and feed them a separate ration. He was advised to house them in a sanitary location, and whenever possible, permit them to calve in a clean, outdoor, sodded lot. Remember, he also had considerable reproductive problems due partly to poor nutrition, and partly to infection.

To solve his reproductive problem, he was going to get a bull, one was to be delivered the day I was there. This is another step backwards, in my opinion. First, it is one of the best ways of spreading the infections he already had to other cows in the herd. Secondly, he can be guaranteed much better genetic material through A.I. bulls, at a lower cost and with less safety risks.

When capital is tight, when cash flow is a problem, and when nothing seems to be going right, remember that time and a good mind may be some of your most valuable commodities. Both can pay big dividends if used wisely. Combined with faith and determination, they have the power to pull you out of the depths of despair.

It may be more prudent to look at ways of doing a better job with what you already have, and postpone some of those tempting purchases for the future.

U.S. red meat production down 4 percent

WASHINGTON, D.C. — Commercial red meat production for the United States during October 1981 totaled 3.43 billion pounds, 4 percent less than October 1980, according to the Crop Reporting Board. January-October red meat production at 32.0 billion pounds was down less than 1 percent from the corresponding period in 1980.

The 1981 accumulated production changes from the 1980 period by individual components were:

Beef, up 3 percent, veal, up 9 percent, pork, down 5 percent; lamb and mutton, up 5 percent. Commercial red meat production includes slaughter in federally inspected and other plants, but excludes animals slaughtered on farms.

Kill days for October included 22 weekdays (one a holiday) and 5 Saturdays compared with 23 weekdays (one a holiday) and 4 Saturdays a year ago.

Comparing October 1981 with October 1980:

Beef production at 1.97 billion pounds was down 3 percent. Head kill at 3.12 million was down 3 percent, while average live weight increased 4 pounds to 1068.

Veal production at 40 million pounds was up 5 percent and average live weight increased 5 pounds to 249.

Pork production totaled 1.39 billion pounds, down 6 percent. The 8.14 million head killed was down 7 percent, while average live weight increased 1 pound to 242. Preliminary lard production was 104 million pounds, down 6 percent.

Lamb and mutton production increased 7 percent to 31 million pounds. Head kill at 574 thousand was up 8 percent, while average live weight declined 1 pound to 108.

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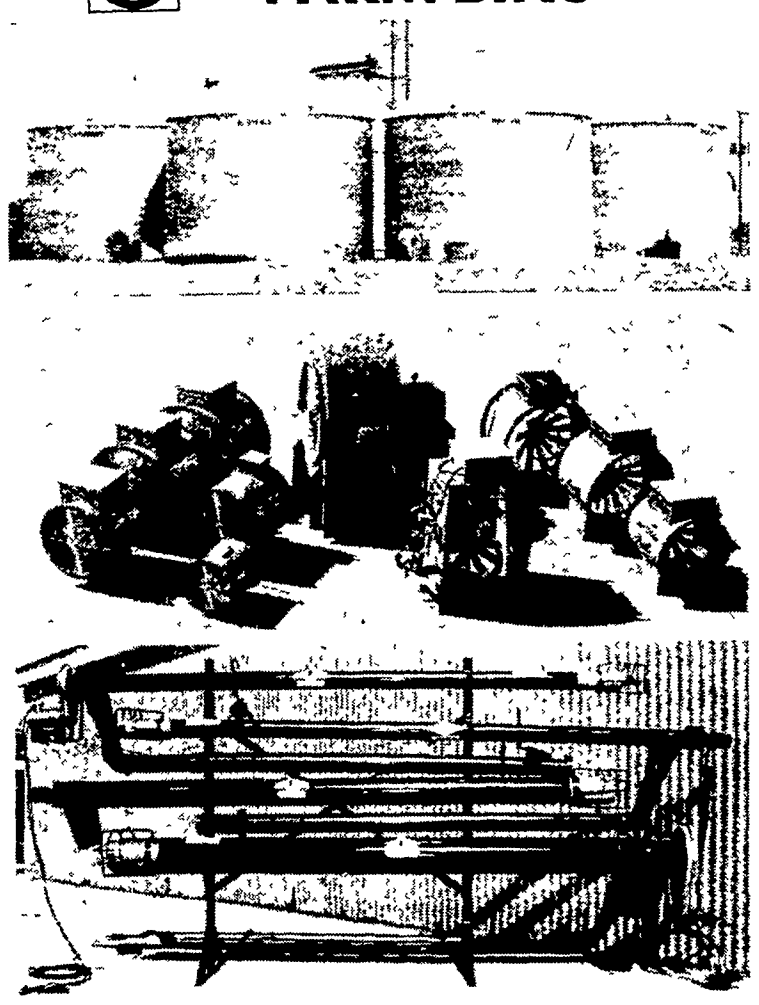

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LOUISVILLE, Ky. — Judge David Hawkins of East Lansing, Mich., said the quality of the heifers was excellent at the North American International Livestock Exposition 1981 Charolais Junior Heifer Show.

The show was held here Nov. 15, 1981 in the Kentucky Fair and Exposition Center.

For grand champion, Judge Hawkins chose a junior yearling exhibited by Julie Bertsche, Flanagan, Ill. Sired by Johnnycake Poller A6/101, she was Silver Creek Diana A98.

Reserve champion was from the spring yearling class, BR Kelly 83, also exhibited by Ms. Bertsche. This heifer was sired by BR Carnaval 380.

Pennsylvania's Brian Patz, Greensburg, had the first place summer yearling, RCC Royal Temptress 3383.

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VILSMEIER EQUIPMENT INC.
Construction Equipment Sales & Parts
Route 309
Montgomeryville, Pa 18936
Phone 215 699 3533

JD 237 corn picker with multi lube, excellent condition Roger Krumrine 301 346 7514

For Sale Cub Low Boy late model, yellow and white, one owner, turf tires, 5' hammerknife mower and snowblade Phone 717 687 6553 or 717 687 8021

Hydra Fold Auger Inc 6" or 8" gravity box auger, truck auger, grain bin drive unloading unit, little red toy wagon 149 N Market St , Paxton, IL 60957 217 379 2614

JD 530, new paint, exc cond 814-793 4293

JD 227 corn picker, good cond 215-488 1965 Berks County

For Sale Oliver 2 bottom 12" or 14" Radex plows JD KBA 20 and 24 disc , 8' or 9 cultipackers or sprocket packers 717-687 6553 or 717 687 8021

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MC 7D Rotary Scythe
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NH 56 & 55 Hay Rakes
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NH 268 Baler
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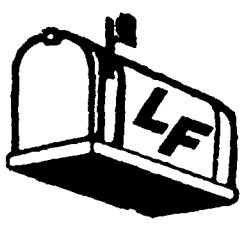

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FARM EQUIPMENT

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International /06 German diesel, 3 pt , wide front end Call 814 793 4293

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Wanted to buy Model 820 JD 1968 71 diesel 3 cyl tractor, or other 25 to 40 HP Good condition 215-539 9479

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J D 7700 Combine 444 Corn Head, 643 Corn Head, 213 Grain Head EDDIE MERCER, INC (301) 663 4678

AC TRACTORS - 180D, D 17G, (2) 45D G WFE & PS, (2) C-A WFE and Cultivators, (2) D 10's, (2) C, MF 124 and IHC 420 PTO Hay Balers Lancaster Co 717 733 8708

JD 4020D w/roll guard, Case 1175D, 970C, A, 1030CK, 2x930's CK, 870D 730 CK, 530, 470, Long 900 Will deliver Phone 301-582-1927

14 H P Powerking Tractor w/bucket, snowplow, cultivators, plow, chains, complete hydraulics, tandem transmission, excellent condition, also 150,000 BTU kerosene space heater w/thermostat, like new /17-757 3488 York

For Sale Rebuilt 471 GM Diesel, electric set 50 KVA 40 KW 1200 RPM for continuous operation, heat recovery wire, switches, meter $4,800 Aquamagic spool spinner egg cleaner grader, 6 to 9 cases per hr A 1 $1500 215 445 6061

For Sale Niemyer Power Harrow model J E 350, excellent condition, once over fitting tool $4 250 315 /84 5563

Wanted Corn sheller, preferably Minneapolis Moline, good condition Will consider several sizes Reist Seed Co Mount Joy, PA Phone /17 653 4121

FARM EQUIPMENT

830 JD diesel 814 /93 4293

Want More Income? ORDER SOON New Mechanical Mulch Layer Planter, Plug Mix Speedling, Peatpot, Treeplanter II new 22/22C TRANSPLANTER is used for 31 yrs , yearly cost less than $15 if purchase price is $454 Advise date you desire delivery direct to you, or VISIT ME Want me to donate 10% of price received to one Church you suggest? Keep ad, tell others Dependable dealer 28 yrs Satisfied, Friendly Customers several states Used Allis G, Farmall B, AV with cultivators 1952 Chevrolet truck Ten Dollar Christmas present on those that order early! Be ready at planting time Send $200 deposit to Friendly Phil Gardiner, 410 Mullica Hill Road, Glassboro, NJ 08028 609 881 7023, early morning, late evening or COME HERE Clip and Save ad

Wanted AC D 10 on D 12 Must have 3 pt hitch and 8 speed trans 301 928-3263 or 928 3111

MF Super 92 combine equipped for Clover seed or grain Has only done few hundred acres Lancaster County 717-529 2723

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AC D 19 gas w/4 bottom plow 4020 JD w/cab, 1750 Oliver diesel Just overhauled 301 833 1847

For Sale AC cornpicker, good cond $300 4"x16 grain auger w/motor hopper, exc cond $210 Dauphin Co 717-469 0834 evenings

For Sale Int 806 diesel, W F 3 pt Berks Co 215-683 5283

1975 C 60 Chevy dump, 16' body, metal grain sides, 30,000 orig miles, $10,000 or best offer, 12' Hutchmaster off-set disc, exc cond , $4500, cinder-lime spreader, self propelled, good, $1000, 16' McConnell harrow fold up transport type, $1200 Luzerne Co 717-256-3003

If your old barn cleaner chain didn't last 15 years try Berg outlasting chain, extra heavy paddles, nickel chrome, low price, water bowls, brake rust prove $23 90 215 445-5309 Lancaster Co

Rosenthal 4 roll corn husker on steel wheels, good cond /17 949 3074

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For Sale - Paulk chisel plow, nine teeth with depth wheels 717 252 2162

Wanted to Buy Stump Grinder 703 721-2574

Gas or Diesel engine repair, Lombardini Diesels, Used Wisconsin engines and parts Benuel Beiler, 242 Pennsy Rd , New Providence, PA

International Harvester 424 tractor for sale Good condition 1,400 hours, power steering, good rubber $4200 /17 665 /386

For Sale Oliver 1750 diesel WFE over/direct drive, power steering, 2600 hrs Many new parts in engine, engine guaranteed, tractor in excellent condition $8500 or best offer /17 385 1908 or /17 933 4444

JD 540 Skidder $9,500 440 Skidder $7,500 Franklin 170XL $9,500 Tree Farmer 225 $8 500 Cat D 6 Hydraulic Crawler $7,500 AC HD6 Dozer Winch Rophs $6,500 JD 420 Dozer $2,875 Others 814 793 2829

Platz light duty 8 nozzle air blast sprayer, PTO, 33 gal tank, 3 pt hitch RD 1 Box 198, Liverpool, PA 17045 717 539 8632

AC G w/cultivators and hoers, 2 row corn planter, plus more equipment All in good cond /17 367 4846

For Sale JD /000 corn planter 25 KW Winco Generator 3 point wood splitter, 3 point Woodsman Cordwood saw 400 Amps Meter-Rite breaker box for center pole to connect generator 717-966 0145

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Wanted Indian motor cycles or parts made before 1953 Scott L Loughead, 407 N Five Point Road West Chester, PA 19380

JD 801 hitch $250 Juniata Co /17 436-2235

D6 Cat hydraulic dozer 10' angle blade, rebuilt engine, new paint, brakes, tracks and seat Electric start /17 548 2291 after 5 P M

1980 MF grain and bean combine header w/15ft floating cutterbar and automatic height control, like new cond Parksburg 215-857 3460 or 717 263 4956

For Sale - 970 Case with automatic reset plow 5-X very good condition Call 717 933 4360

JD 1010 crawler with angle blade, 290 original hours $3800 301 829 02/1

Wanted Ford tractor model 2000 or 2600 Must be clean 914 651 7562

Hesston 10 stacker, $2000 or best offer 301-374 2490

JD 4000 gas weights Good condition JD 730 gas needs work, JD 320 excellent Will trade /17 334 6416

For Sale - JD 3010 real good running condition $4800 Cumberland Co 717 776 6143

For Sale - Myers snow plow, never used 215-HU5-3919 after 6

IH 56 4 row corn planter with Gandy attachment Field ready Perry County 717-567-6266

Wanted Case 830 or 830 CK Diesel for parts /17 742-3216

Unisystem /05 power unit plus attachments, call for details IH hydro 100 w/dual IH 13'8" packer/mulcher Oliver 242 18' disc (2) IH 4 row corn planters #56 NH #28 forage blower NH #345 grinder/mixer Oliver 5 bottom 16 ' semi mounted plow 814 472 6752

For Sale 4020 diesel tractor WFE /17 549 6001 after 8 P M

One Used Patz liquid vator (manure pump) 25 feet long with a 5 hp motor Used only two years, very good condition $2500 Centre County Phone 814 355 5941 or 814 355 4231

Wanted to rent straw chopper for mulching strawberries, must be engine or PTO powered Lanc Co /17 354 0175 or write Arthur Hoover, Rt 3 Box 75, New Holland, PA 17557

Wanted Used electric meat band saw Call after 5 00 P M 717 867-2738

For Sale JD 24T baler with JD 2 ejector Excellent $1000 Call /17 761 0651 after 8 PM

For Sale Straw spreader for 6600 JD combine and 1 for 477 combine 609 298 3342

JD 148 loader w/controls, brackets for 3020 or 4020 Like new $1600 717 354 8859

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For Sale JD 4010 Diesel Tractor, WFE, Excellent condition $5500 301 829 0271

L35 NH skid loader with forks, bucket and backhoe Will sell attachments separately /17 394 9811

Wanted - Old fashioned 1 row potato plow 215 287 /878

Chisholm Ryder snap bean harvesters w/hydraulic dump wagons, reconditioned and painted, 609-769 3183

670 Moline diesel 814 793-4293

For Sale AC 170, IH 10 drill 717-438-3115

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2 Whl Drive
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List $10,170
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Quad Range w/Cab
List $35,238
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List $5,025
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450 Spreader
240 Loader
260 Loader
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JD 2240 w/146 Loader $12,000
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Finance waiver available on all "After Season" Equipment

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MF 180
MF 65 Gas
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Gehl 2600 Skid Loader
NH L-35 Skid Loader
NH 518 Manure Spreader
Starline Tank Spreader

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(2) MF 300 Combine w/Cab, Q.A., 2-row corn & 10' grain table
JD #45 Combine w/2 heads

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New
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TRACTOR
100 h p , 24 speed, cab w/air and heat, 20 8x38 Tires w/front and rear weights
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Build your own washer with a Hypro 0 to 1200 PSI pump
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NI 737 Husking Unit
AC 7000 Tractor
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AC 170 Gas Tractor
AC D17 Gas Tractor
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Danuser model BMBH front mounted post driver, exc. cond. $925
HEISEY FARM EQUIPMENT, INC.
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FARM EQUIPMENT

FARM EQUIPMENT SPECIALS
NH 1495 SP Haybine 12' $11,500
NH L-775 60 H P Skid Loader $6500
NH 782 Harvester Electric Controls $7500
NH 679 Spreader $5500
AG-Industrial Equip. Co.
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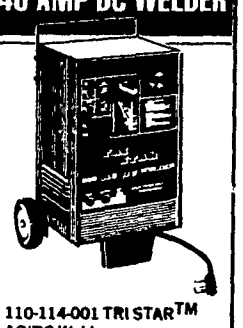

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FORD 8N w/Wood Saw
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CASE 1030 Comfort King Diesel
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MASSEY FERGUSON 175 Diesel w/loader
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COMING IN SOON...
FORD COUNTY SIX 4 wheel drive
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50' Boom
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Ford 8000 w/dual wheels
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Ford 4000 w/Loader
Ford 801 D PS
Ford 9N w/Loader
Ford 8N w/Blade
IH 666 D WFE
IH 504 G, 3 pt.
IH 330 w/fast hitch
IH Cub w/mower
IH M w/loader
AC 5040
AC 160D
AC D17 G
Case 630 w/PS
MF 235 G, PS
MF 135 G Live PTO
MF 135D, 8 speed
MF 65 G, PS
JD 3020 D WFE
JD 730 D 3 pt.
Satoh w/Woods mower
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JD 3020 Tractor, Late Model, Nice Shape
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1977 NI 709 Uni System, 1100 actual hours, air, heater, cab. Traded for larger unit.
Plus NI cut/ditioners & mow/ditioners, tractors in stock at Good Prices.
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$58,000

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52 h.p.
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5600 Ford
60 h.p.
$14,600
6600 Ford
70 h.p.
$16,000

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Oliver 770 Gas
USED TILLAGE EQUIP.
Oliver 5 Btm auto reset plow
White 508 4B 18' Auto plow
Ford 142 4B Semi-Mtd Plow
USED HAY TOOLS
Hesston PT10 Windrower
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JD 340 Offset Disc 13'
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(2) Ford 142 Plows, 6 Btms., Auto reset on Land Hitch
14' Schwartz Dump Body w/winch
Lawn & Garden Tractors w/Mowers

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VAN DALE & STARLINE SILO UNLOADERS SALES & SERVICE
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"LANCASTER" CONVEYORS TAPER BOARD FEEDERS BELT FEEDERS

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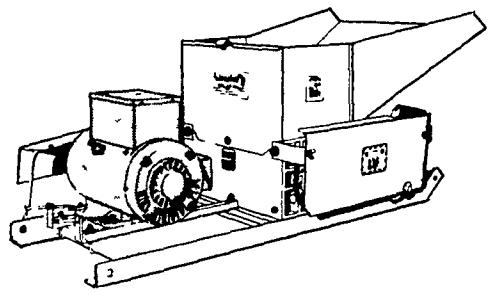
LOW PROFILE OR SKID MILL #200 AND #400 IN STOCK



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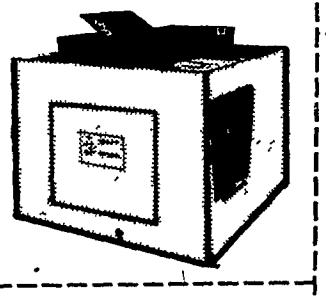
F.O.B. CASH PRICE - $1990.00
PRICES FOR LOW PROFILE - AS SHOWN

RITCHIE CATTLE & HOG WATERERS
ALL RITCHIE CATTLE UNITS 10% CASH DISCOUNT PRICES F.O.B. OUR PARTS DEPT



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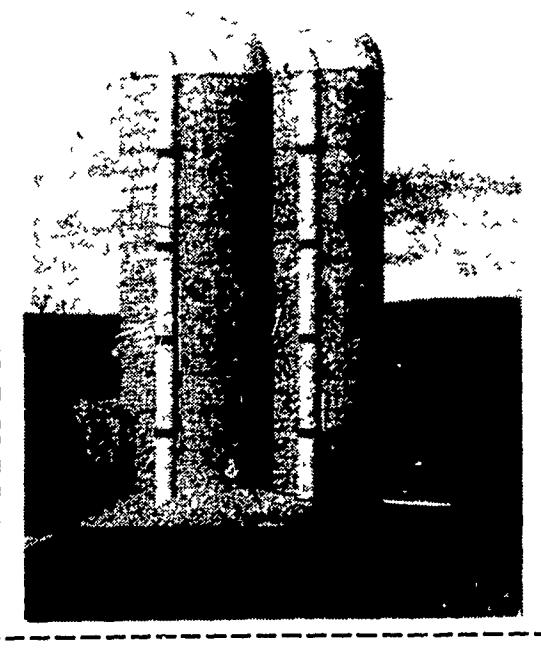

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SPECIAL: 1 - 20x60 HARVESTORE w/UNLOADER — EXCELLENT UNIT

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NH 315 Baler w/thrower, (Demo)
USED DISCS
2311 AC
Taylorway 10'
USED TRACTORS
AC 5050 w/Loader, only 98 hrs., like new
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NEW TRACTORS
AC 7045
AC 5050
AC 7010

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END OF FALL SPECIALS Ford 6600 diesel, big rubber, 1100 hours, like new cond Apple stalk chopper, good cond Thrower for 273 baler, late style New 5' Bush Hog Rebel model, only 1 left, list $750, our price $595 Minn Moline model D corn sheller, PTO, good cond NI 751 hay condition, nice NH Super 26, blower, ex Oliver 2-16 Raydex plow, latter lift Papec 880 grinder/mixer, good cond, NI 214 spreader, extra clean Pollard wheel rake, new teeth Brady hay conditioner IH #9 grass mower, excellent NH 258 rake, brand new NH 477 haybine, nice New 3 pt wheel rake New 6' bucket to fit Swartz or Oliver manure loader Peak Anti-freeze $3 99/gallon or $3 95 by the case, cash and carry Sales and Service on farm tires

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Hundreds of Wheel and Crawler Tractors Ford 7000 8000, 9000 6000 5000 4000 Jubilee 8N and 800 JD 4020, 4010 3020, 2010 Farmall 1468, 2606, 1206, 806, 856, 706, 656 544, 460 400, 300, 240 MHA Cub and C MF 1130 1100 1080, 180, 165 90 AC 190XT 190 D19 D17 D14, CA B G loader Oliver 1955 1850 1800 1650 2150 Case 1030 930, 830 800 Deutz 10006 5505, 5005 Moline, David Brown and Cockshut tractors w/loaders backhoes, skid loaders pay loaders forklifts, trenches, rollers, road grader, stone rakes, snow plows and blowers, rotovators, large selection of mounted pull and rollover plows cultimulchers cultipackers disc harrows chisel plows PTO and ground drive spreaders, roller mill w/mixer field cultivators corn shellers lots of 3 pt equipment 5020 JD tractor only $6900, 445 Long 4 wheel drive tractor D9G Caterpillar w/blade for pan, hundreds of tractors and plenty of other equipment not listed

KEENER EQUIPMENT INC
Intersection of
Rts 72 & 283
Lancaster, Pa 17601
Phone 717-569-9861

CFH

JOHN DEERE

USED EQUIPMENT

- Ford 4110 Gas Tractor WF
- Ford 8N w/loader
- JD 2020 Gas
- JD 1050 Dsl 33 h.p. 425 hrs
- JD 2640 Dsl
- IH 706 Dsl, WF w/loader
- JD 4020 yr. round cab
- JD 4620 yr. round cab
- JD 4230 Sound ((SOLD)
- JD 4430 Sound Guard
- JD 3020 (SOLD)
- IH 815 hydro combine 4 row N C H & 13' platform
- JD 7700 combine
- JD 7700 Hydro combine, rotary screen, auto hdr
- (2) JD 444 Corn Heads
- JD 16' Platform
- JD 494A Planter w/fert
- JD 1460 Planter no-till
- IH 400 cyclo 4 Row Planter
- JD 7000 4 row wide planter
- JD 7000 4 row wide no-till
- JD 7000 6 row consv w/liq fert
- JD 12 row tool bar, maxi merge, no-till coulters
- JD 7100 planter 12 row no-till
- JD 1630 11' 7' Disc
- JD BWA 13' Disc
- Dunham 10' Disk on wheels (SOLD)
- Sunflower 24' Wing Disc
- Oliver 3-14 pull plow
- Oliver Spring Tooth Plow
- JD 46A Loader
- JD 24T Baler
- JD 25 Forage Harvester 3 pt
- Davis 20+4 Hydro Trencher

CFH, INC.
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Evenings & Weekends
Call Gary (301) 885-2248

Case 1830 skid loader floatation tires 700 hrs $5300 717 354 8859

JD CHISEL PLOW

10 tooth 1600 series.
Used 2 seasons.
Make offer
Lebanon Co.

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RD#1 Box 228
Shuler Road
Shermansdale, Pa 17090
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ACRES OF USED AND RECONDITIONED FARM EQUIPMENT AND TRACTORS
Also
ACRES OF USED EQUIPMENT AND TRACTOR PARTS.

WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION

FOR SALE

MF 1130 w/duals
Case 1370
MF 180 diesel
AC 190XT
Farmall 966
JD 4020
MF 321 corn head

L & M BURKHOLDER
Ephrata, PA.
717-859-2960
717-859-2712

COMBINES

NH TR-75
Pay New Holland what we owe and it's yours
NH 985 4R Narrow
Gleaner E 2 row
John Deere 45
Massey 82

GRINDER MIXERS

NH 350
NH 352
JD 400

SHEETS BROS.
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

JOHN DEERE

Nothing runs like a Deere

Hot Special On NEW EQUIPMENT

	List	SALE
JD 1207 mower conditioner	$6900	$4,500
	List	SALE
JD 410 round baler	$8,300	$6,500
JD 850 tractor w dual outlets ready to put a log splitter or bucket on	7,400	5,800
JD 25A flail mower	1 875	1,400

JUST CAME IN
Nice JD 2640 400 w canopy
Nice Case 995 w/cab
JD 4030 4 post w/enclosure

THIS WEEK'S SPECIAL ON USED HAY EQUIPMENT
Free Financing Till May 1, 1982

	List	SALE
JD 336 w #30 ejector	$4,600	$4,200
JD 24T w #2 ejector	1,600	1,195
JD 14T baler w #2 ejector	1,495	695
JD 14T baler w #1 ejector	495	395
JD 14T baler w #1 ejector	685	450
NH 68 w 53A thrower	1,100	795

MOWER CONDITIONERS

JD 1209	2,800	2,195
JD 1209	4,200	3,600
NH 1469 haybind. SP	4,000	2,800
Owatonna 700 SP	3,500	2,400
NH 469	1,875	1,200
NH 469	2,100	1,500
Case 7'	1,995	1,495

Repossessed Planters

JD 7000 planter 4RN maximerge, new never used	8,950	8,400
JD 7000 planter 4 row conservation, like new	9,500	8,600

NO TRADE ON SALE PRICES

JOHN DEERE
AUKER-ENA EQUIPMENT, INC.
Oakland Mills, PA 17067
717-463-3511 436-2235

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Used
IRRIGATION PIPE & PUMPS
Send your inventory and price to
EECO, INC.
4021 N 6th St,
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TRACTOR & MOTOR REPAIRS
Over 20 years experience with Ford tractors and equipment.
Shop & Road Service
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WALT STIVELY, JR.
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or 215-273-3050

NEW TRACTORS
IH 284D
IH 284D 4WD
IH 484
IH 684 w/loader
IH 884
IH 384
IH 274
IH 584
IH 784

NEW CULTIVATORS
2 IH 183 4 row Vibra tines

NEW HAY EQUIPMENT
IH 445 W balers
IH #15 bale throwers
IH 1190 9' mower conditioners
IH 1300 7' 3 pt. hitch mower
IH 35 rakes

NEW DISC HARROWS
IH 122 5'6"
IH 122 6'9"
IH 475 18'7"
IH 501

IH Uptime Service

certified service
This dealership's service department has qualified as an IH Certified Service Center
International Harvester Company
1980 1981

W^M HOBENSACK'S SONS
1060 GREELEY AVE.
IVYLAND, BUCKS CO., PA.
18974
1-215-675-1610 1-215-343-2101

GOOD USED EQUIPMENT

- F-1256 diesel
- IH 570 manure spreader
- Used Long mod. 910 diesel tractor, 710 hrs., very good cond. $7400
- Bolens model HT-20 hp w/mtd. loader w/front blade & rotary mower, good cond.
- Oliver 770 diesel tractor, tricycle front end, good cond
- IH 3 btm semi-mtd. fast hitch plow
- IH #710 4 F auto reset plow
- Good used lawn tractors
- 55 trailing chisel plow
- 2 Farmall M
- One Massey Harris Model 33

IH 1440 axial flow combine w/1150 hours, excellent condition.
IH 715, low hours

AVCO NEW IDEA

L.L. ECKROTH FARM EQUIPMENT, INC.
RD2, New Ringgold, PA
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FARM EQUIPMENT

VERMEER

New Vermeer Balers
Rakes — Bale Unrollers

MARTIN MANUFACTURING COMPANY

New Martin Spreaders
Gates and Pumps

NEW EQUIPMENT
Vermeer 504F Baler
Roto SOLD Tub Grinder
Scranton Bale Feeders
Vermeer & Scranton Bale Movers

USED EQUIPMENT
Brady Flail Shreader
Hawk Bilt 257 Manure Spreader
Martin S 1466 Manure Spreader

RED WING FARMS
RD #1378, Fleetwood, Pa 19552
Phone 215-944-0791 or 215-944-9583

NEW AND USED EQUIPMENT

- IH 1066
- Farmall 806 gas
- Farmall 656 diesel
- IH 574 diesel
- IH 454 diesel
- Farmall 450 diesel
- Farmall 300
- Farmall Ms
- Farmall H
- 340 Utilities
- Super C w/snowblade
- New & used 140s
- Super As
- Cub w/5' rotary mower
- MF 65 diesel
- MF 135
- MF 135 w/side mount sickle bar
- Ferguson 35
- Ford 4000
- Ford 4000 SU
- M5 Moline
- Tuff Bilt w/plow, cultivator & disc
- B 7100 Kubota w/ blade & mower, 48 hours
- Satoh Elk w/loader & 3 pt.
- AC G w/cultivator
- Wheel Horse w/mower & snowblower
- TCM forklift
- IH 500 C crawler w/5 in one bucket
- Case 310 crawler & loader
- Case 1150 crawler w/ ripper
- 580 Case backhoe & loader
- 6 & 7' Woods scraper blade

New Woods mowers, all sizes and styles to choose from. Large inventory of tractors and parts All kinds of plows, discs and misc. equipment and tractors.

YORK COUNTY FARM AND INDUSTRIAL EQUIPMENT
Emigsville, PA
717-764-6412 or 764-5115

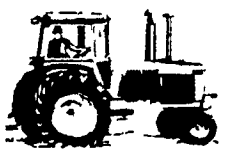
FREE FINANCE ON NEW HOLLAND NEW AND USED HAY EQUIPMENT TILL JUNE 1, 1982, ON FORAGE EQUIPMENT TILL AUGUST 1982.

NH 451 Mtd. 3 pt Mower	$850
NH 256 Rake	$1145
NH 518 Spreader w/hyd endgate	$1875
NH 331 Spreader.	$295
JD 44 Spreader	$550
IHC 550 Fg Harvester w/pickup & 2R Adj Heads	$995
NH 717 Forage Harvester	
NH 880 N3, R2 Cornheads	
NH 479 Haybine	$2775
MF-NI Mower Conditioner	$1295
NH 269 Baler.	$1185
NH 273 Baler.	$1850
IHC 37 Baler & thrower	$950
NH 269 Baler w/thrower	$1650
JD "60" PTO Blower	$475

Call for prices on other equipment

SPECIAL PRICES ON NEW
NH 782, 892 Harvesters and Heads
NH L35, L325 Skid Loaders
NH 310 & 320 Balers
NH Mowers, & Rakes
NH 474, 489 Haybines
NH 14, 230, 234 Wagons
NH 513, 519, 800 Flat Bed Spreaders
3200 gal Spreader with injector

ROYA. BRUBAKER
SALES ★ SERVICE
Phone: 717-626-7766 or 626-1859
700 Woodcrest Avenue, RD3, Lititz, PA



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1305 Manheim Pike, Lancaster, PA 17601
Phone - 717-291-1046

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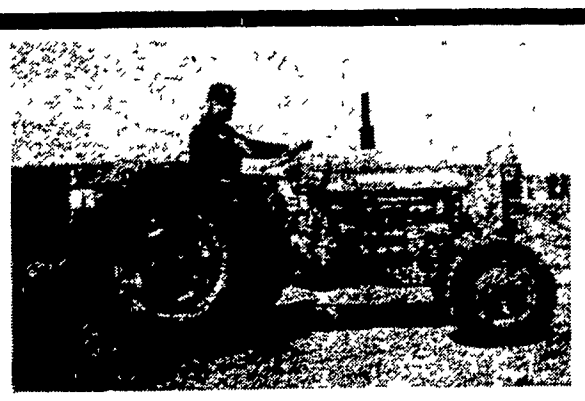
SPECIAL JD FP WAIVER PROGRAM ON NEW JD ROW CROP AND UTILITY TRACTORS UNTIL 6-1-82

JDFP WAIVER PROGRAM ON NEW JD & USED CORN PLANTERS UNTIL 4-1-82

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICES

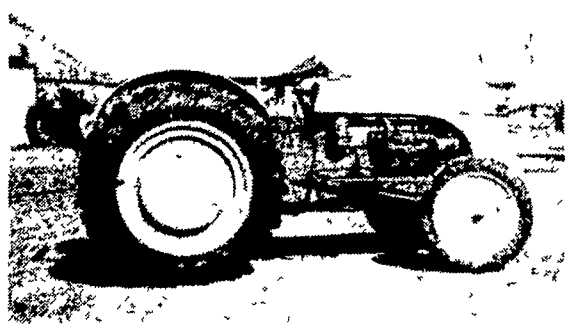
SPECIAL JD FP WAIVER PROGRAM ON NEW JD SNOWMOBILES UNTIL 4-1-82 NEW JD 200/300/400 SERIES LAWN AND GARDEN TRACTORS UNTIL 3-1-82



MF 65 UTIL. DSL.
$3900

SAVE NOW ON THESE USED TRACTORS

WITH NO FINANCE CHARGES UNTIL MARCH 1, 1982



FORD 9N
$1150

New Tractors

JD 4640 PS, SG
JD 4240 Quad, SG
JD 2940
JD 2640
JD 2440
JD 2240
JD 2040

Used Tractors

JD 2240 200 hrs.
JD 4320 w/cab
JD 1020 Ru Gas w/37 loader
JD 40T
MF 65 dsl.
IHC Cub w/mower

Used Loaders

JD 46A loader

Used Corn Head

JD 444 Corn Head

New JD Utility Tractors

JD 750 w/MF WD w/375 Blade
JD 750 Turf T w/272 Mower
JD 650 Turf T w/160 Mower

JOHN DEERE FARM TOYS
Blueprint Replicas™ that work hard to tackle any chore. Die cast with fine detail and ERTL's famous strength and safety features.
Check Our Low Prices

New New Idea Uni-Equip.

743N 3 RN corn head
713 grain platform

Used New Idea Uni-Equip.

705 dsl. power unit w/cab & 767 chopper & 768 RC
767 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC

Used Spreaders

NI 206 Gr. drive
NI 207 PTO
NH 327 PTO
JD 54 PTO
NI 213 w/Endgate
NI 214 Flail
NI 218 8½ ton w/Endgate
NI 224 10 Ton w/Endgate

New Corn Pickers

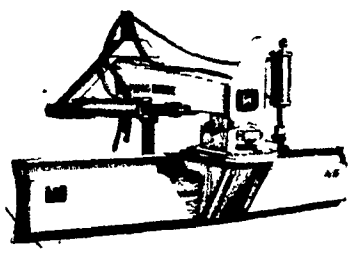
NI 325/327 2-row
NI 323 1-row

New Rotary Cutters

JD 506 5' util. 3 pt.
JD 606 6' util. PT

Used Combines/Corn Heads

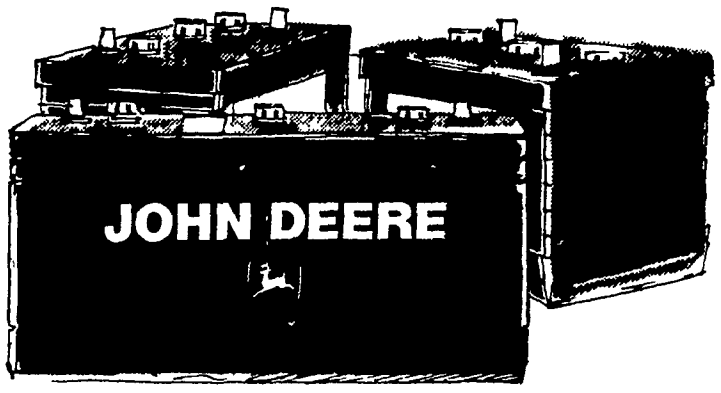
JD 7700 w/14' plat.
JD 6600 hydro. w/13' flex plat. & 643-6RN head
JD 444 corn head



NEW JD REAR MTD BLADES

Model	
115	9' Extra Heavy Blade
115	8' Heavy Blade
65	7' & 8' Blades
88	7' & 8' Blades
78	7' & 8' Blades

TRADE UP TO A JOHN DEERE BATTERY



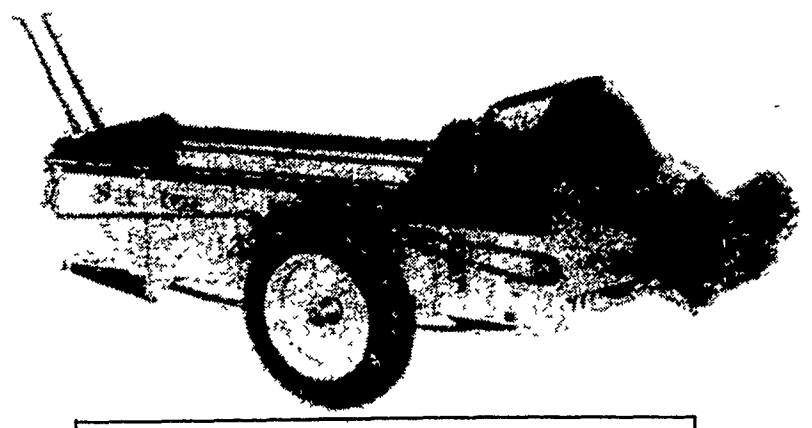
SAVE 25% on all batteries with trade-in

Bring in your present battery, we'll give you credit on it, and an additional discount of 25% toward a new John Deere battery. It doesn't matter what condition your old batter is in, either. We stock conventional and maintenance-free batteries for farm and industrial machines, cars, trucks, snowmobiles, boats, lawn and garden equipment and more. John Deere batteries feature a one-piece cover that reduces corrosion and short circuiting. It's epoxy-bonded to a hard rubber case for durability, long life and easy maintenance.

Free battery check-ups on any type of machinery while offer lasts No limit to number of batteries that may be traded in for another
Act now Trade-in offer ends Dec. 12, 1981

Nothing Runs Like a Deere®

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS



206 New Idea Spreader Available
With or Without Steel Wheels
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	Was	Sale Price
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J.D. '77 440 Liquifire w/cover	$1695	$1395
J.D. '76 340 Cyclone w/cover	$1145	$995
J.D '74 600 w/cover	$950	$795
J.D '73 400 w/cover	$795	$675
Polaris '76 TX340 w/cover	$925	$795
Scorpion '72 440 Stinger III	$450	$295

LANDIS BROS., INC.

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Phone -717-291-1046

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USED EQUIPMENT
JD 494A Planter
JD 694A Planter
JD 7700 combine
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 244 Cornhead
JD 1250 corn planter
JD 214WS Baler
NH 273 baler
JD 485 mower conditioner
NH 469 Haybine 9'
JD FB Drill
JD 3800 Chopper
JD 47 loader
Oliver 5x16 Plow
Case - Field Cultivator
IHC 470-17' disc

SPECIAL PRICES ON NEW EQUIPMENT
Grimm Tedders in Stock
H & H Bale Bodies

SPECIAL INVENTORY SALE ON NEW EQUIPMENT
1- JD 111 - 12 Ft. 10 In. Disk - $2895.00
1- JD 1630 - 11 Ft. Plowing Disk - $4,540.00
1- JD 2600 PLOW 5-16" - $4685.00
1- JD 2450 - 7-16" PLOW - $4,815.00
No Trade-Ins Accepted.

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201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

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NEW EQUIPMENT SPECIAL OF THE MONTH

JD 315 12' Disc
JD 4440 Tractor

TRACTORS
IH 340, Fast Hitch
MF 1080
IH Cub w/Blade & Plow, 2 yrs. old
JD MT
White 2-85

COMBINES
JD 45 w/2 heads
(3) JD 444 Corn Heads
1980 JD 6620 Side Hill w/215 Flexhead & 643 Corn Head

HAY TOOLS
JD 24T Baler
NH 269 Baler
NH 275 Baler
Gehl 600 w/heads
NH 717 Harvester

TILLAGE
JD 2600 5B Spring Reset Plow
JD 345 5 Btm. Plow
IH 700 5x18 Plow
Brillion 12' Roller Harrow
Oliver 12½' Wheel Harrow
Ford 10' Disc

MISCELLANEOUS
Oliver #5 Picker
Tye No-Till Drill
Ontario 15x7 Hoe Drill
IHC 2000 Loader
JD FBB 15x8 Hoe Drill
JD 7000 Conservation 6R planter, used 1 season

TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone. 717-362-3132

USED EQUIPMENT

Ford 3600 8 sp. diesel, w/730 loader
Ford 6700, 16 speed
(2) Ford 9000, Both Very Good
Ford 7600, 1400 hrs., excellent
Owatonna 1700 Skid Steer Loader New Short Block, very good
Several good semi mount. plows
Ford 9600 cab, air and duals
Ford 881 diesel w/loader

Ford Tractors n Equipment

DUFFY FORD TRACTOR, INC.
Rt. 404-½ mile East of Rt. 50
Wye Mills, MD
301-820-2000

TRACTORS
Farmall H, good shape
AC D14
VAC Case w/wide front
Farmall C w/fast hitch, cultivator, & 2 btm plow
Farmall M

MISCELLANEOUS
Disc, plows, mowers, balers, wagons, rakes, harvester grain bins, harrows, pickers, & loaders

COMBINES
MF 35 SP 8' cut
AC 66 pull
IH 203 10', PS
JD 30 auger feed, pull
IH 93 10'
JD 40 10' clean $2,000
IH 80 auger feed pull
Ford 6000 diesel, wide front, new tires

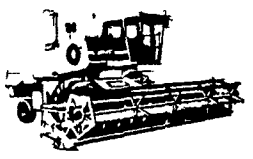
PICKERS
IH 2PR 2 row pull type
NI 305 mounted picker
NI 7, $500

DISMANTLING COMBINES FOR PARTS
Gleaner A, C, CII, AC 60, 66, IH 64, 76, 101, 123, 127, 141, 95, 91, 93, 203, 303, 205, 151, JD 12A, 25, 30, 40, 45 round back, 45 square back, 55 round back, 55 square back, 95, 105, MF 80, 90, 26, 27, clipper, 72, 82, 92, 35, 300, 410, 510; Oliver 35, 40, 430, & pull type, Ford SP & pull types NI unisystem combine, sheller and chopper.

DISMANTLING TRACTORS FOR PARTS
JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H, & M JD A, B, 50 & 60. AC WD & D17 Oliver 70 & 77. Ford 8N & 860. Case SC & V.A.C. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler.
Dismantling 75 combines for parts

DISMANTLING PICKERS FOR PARTS
IH 234, 2 MH, 2 MA, 1 pr, 2 pr, 20 and 24, JD 16, 337, 227, 226 and 1 rows, NI 305, #7, #10 and 2 row pull, Ford 2 row mtd, 1 row, Woods, GI, AC mtd., Oliver #5, 2 row mtd. pull.

KEITER'S FARM MACHINERY
R.D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
Phone. 717-362-9574 or 362-9096



MF
Massey Ferguson

15% Price Rollback to Dec. 31
on all New MF agr. w/13.9% 2 year financing or waiver of finance charges. Eligible used equipment 13.9% 2 year financing or waiver of finance charges.

NEW EQUIPMENT
MF 245 diesel, 8 speed
MF 255 diesel, multipower
MF 265 diesel, multipower
MF 154-4 diesel
MF 540 diesel combine
MF 850 & 860 diesel combines
MF 1143, 1144, 1163 corn heads
MF 4880 diesel tractor
MF 13' and 15' tables and UII reels.
MF 43 and 880 plows
MF 129 chisel plows
MF 226 and 227 snow blades

USED EQUIPMENT
MF 760 combine
2 MF 135 tractors
IH 574
Bobcat Model 700
Melrose skid loader
JD 4020 Tractor
Allis Chalmers WD 45 tractor
Brillion 12' cultipacker
(2) 250 bu. gravity bins
MF 880 5 btm 18" plow
Case 1160 combine
NH 285 baler
Ford 520 baler
MF 510 diesel combine

We Service All Makes Of Equipment
Large Inventory of New & Used MF and NH Equipment

ABRACZINSKAS Farm Equipment, Inc.
RD 1, Catawissa, PA.
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(south on Rt. 42)

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Custom Built
VENTIALTION CONTROL for
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Opens and closes curtains or windows automatically according to temperature.
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- **Van Dale Products**
  - Silo Unloaders 10' - 30' New & Rebuilt
  - Bunk Feeders - Belt, Auger and Shaker
  - Conveyors - Auger & Single Chain
- **T.M.R. Van Dale Mixer-Feeders - 4 Auger**
  - Truck Mounts
  - Trailer Mounts
  - Stationary Units
  - 40 Cows to 400 Cows
- **Liquid Manure Spreaders**
  - 1500 Gal. to 4500 Gal.
  - Soil Injectors
- **Liquid Manure Pumps**
  - Agitator-Filler
  - Centrifugal
  - Lagoon
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- **Uebler TMR Forage Carts**
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- **Sollenberger Poured Concrete Silos Top or Bottom Unloading**
- **Double Chain Wood Conveyors w/Slip Clutch & ¾" Bottom**
- **Taper Board Feeders & Belt Feeders**
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- **Nesseth Liquid Manure Equipment**
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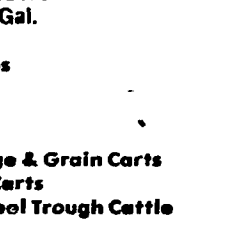
10% OFF all parts used in engine repairs.
Sales & Service

AVCO VM Diesel



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From 13HP to 200HP
OIL COOLED WATER COOLED AIR COOLED

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★ Will Install In Skid Loaders, Balers, Forage Harvesters, Etc.

LUMBER JACK WOODSAWS AVAILABLE
3 Pt. Hitch, 540 PTO

SALES & SERVICE
MILLER'S REPAIR
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NOW SERVING THE STATE OF DELAWARE DIRECTLY FROM WILMINGTON!

NEW, USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL SCHEDULES - ALL TYPES FABRICATION - THREADING CUTTING — WELDING
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New Equipment Sale

Diesel Tractors	List	Sale
2440	$21,183 00	15,900 00
2640	22,838 00	15,995 00
4040	31,414 00	23,500 00
Plows		
1250 - 3 BTM 16 in	2,430 00	1,695 00
2600 - 5 BTM Spring Reset	9,765 00	7,295.00
Disk		
225 - 12 ft offset	6,091 00	4,650 00
115 10 ft	4,533 00	3,850 00
Chisel Plow		
1610 - 11 ft Pull Type	4,246 00	3,295 00
Mower Conditioner		
1209	8,470 00	6,495 00
1320	11,027 00	9,295 00
Spreaders		
34	3,505 00	2,895 00
445 Flail	5,255 00	3,725 00
465 Flail	5,910 00	4,295 00
Loaders		
143	2,266 00	1,595 00
158	4,194 00	3,295 00
260	5,057 00	4,095 00
Rear Blades		
45 - 6 ft	430 00	350 00
65 8 ft	714 00	625 00
78 - 8 ft	544 00	450 00
88 - 8 ft	869 00	775 00
115 - 8 ft	1377 00	1050 00
115 - 9 ft	1601 00	1225 00
155 - 9 ft	2520 00	1825 00
Rotary Cutters		
609 pull Type	2304 00	1995 00
709 3 pt	2469 00	1975 00
Wagon		
1075 10 ton	2509 00	1450 00
Sprayer		
550	4,462 00	3,195 00
Power Till Seeder		
1550 Demo	10,996 00	6,595 00
Forage Equipment		
3 row - row crop head	6,587 00	4,200 00
Bulldozer Blade		
534 - 9 ft	3,149 00	2,395 00
Post Driver		
51	953 00	725 00

1981 Tire Inventory Sale

	Sale
1 - 13 6x38 - 6 ply Super Torque	$178 88
6 - 13 6x38 - 6 ply Traction Torque	194.40
2 16 9x30 - 6 ply Goodrich	240 00
2 14 9x28 - 6 ply Power Torque	214 56
3 15 5x38 - 8 ply Power Torque	435 26
1 11 2x38 - 4 ply Traction Torque	150 17
4 15 5x38 - 6 ply Traction Torque	273 18
1 18 4x34 - 6 ply Power Torque	499 36
1 - 18 4x34 - 8 ply Power Torque	499 36
2 - 14 9x26 6 ply Power Torque	307 30
1 - 13 6x38 - 6 ply Power Torque	194.40
2 - 8 3x24 - 4 ply Traction Torque	70 56
2 - 11 2x28 4 ply Traction Torque	119 22
2 - 15 5x38 - 8 ply Super Torque	395 00
1 - 12 4x24 - 4 ply Traction Torque	119 87
1 - 14 9x28 - 6 ply Firestone A T Field & Road	150 00
2 16 9x28 6 ply Power Torque	259 31
2 18 4x30 6 ply Goodrich	187 50
2 12 4x38 6 ply Traction Torque	234 77
2 23 1x26 10 ply Power Torque	820 56
1 13 9x36 4 ply Traction Torque	156 66
2 - 18 4x38 8 ply Power Torque	549 76
2 - 20 8x38 10 ply Firestone A T	900 00
2 13 6x28 6 ply Power Torque	145 00

Waiver of Finance available on all New JD tractors 'till 6-1-82
Call for Details

NEUHAUS'ES INC.
John Deere Sales & Service
RD2, York, PA 17403
Phone - 717-428-1953

FARM EQUIPMENT

NH 1469 Haybine $7500
Gleaner G Combine w/grain Table 4 Row Corn Head $15,000
N I 323 Corn Picker $2750
N I Sheller Unit for 2R Picker $500
WENTZ FARM SUPPLY
Palm, Pa
215 679-7164

FARM EQUIPMENT

For Sale - White 2-35 with loader and 2 buckets, like new, also White 2 bottom plow, Imco 6' disc, 3 pt hitch, NH sickle bar mowr, 3 pt hitch 215 857-3744

JD enclosure 2510 up to 4320 JD 40 spreader upper beater JD 660 spreader upper beater 717-463 3511 or 436-2235

FARM EQUIPMENT

Parts off John Deere 30 pull type combine, PTO, bin, etc 301 829 0271

Combine - Oliver 545 14' grain head 609 451-7463

One four row John Deere 1240 plateless corn planter with fiberglass maxi-merge fertilizer hoppers Melvin Stoltzfus, Hegins, RD1, Pa 17938 Schuylkill Co

FARM EQUIPMENT

Wanted to buy Used Brillion packer/seeders, any cond 717 687 6553 or 687 8021

JD 310 diesel wheel loader, backhoe w/a ROPS cab $7500
DENNIS M. MILLER EQUIPMENT
Rt 22 Grantville, PA
717 838 1888 anytime
717-469-0937 daily

FARM EQUIPMENT

Farmall cub with snow plow, chains, cult, WW, corn planter, sickle mower and other parts Asking $2500 or best offer Int 656 diesel tractor, hydrostatic drive, tricycle type with wheel weights and a 3 btm 16" roll over plow Ph 215 262-9781

FARM EQUIPMENT

For Sale - Snow blower 4½' wide for IH Cub, like new $200 Phone 215 488-7383 Berks County

JD 2010, good cond 301 876-1956

For Sale - Oliver 550, good rubber, fair condition 717 733 6717

FARM EQUIPMENT

For Sale - JD 4230 Tractor, QR, excellent condition $12,500 301-829 0271

For Sale NH model 256 rake, also, NH model 472 haybine, both brand new, priced to sell 717 532-7054

LONG WENGER'S INC. LONG

SOUTH RACE STREET
MYERSTOWN, PA 17067

PHONE:
DAYS: 717-866-2135
NIGHTS: 717-866-7147
OR: 717-273-9089

NICE FEED MILLS
NH 354 .. $3850 NH 352 .... $2850

NEXT AUCTION
DECEMBER 14
9:30 A.M.

REASONABLE PRICES FROM THE TRACTOR WHOLESALERS

OLIVER
2050 ..... $6000
1950 GM .. $6500
1855 - Cab . $10,000
1800 - 4WD .. $5900
4 WD Front End only $1475

JOHN DEERE
4430 Cab ... $16,500
4020D $7800
3020D $5500
820D $2900
MT $1350
4020 Gas ... $5500
5010 ..... $6500
4230 - Cab... $14,500
3020 Gas ... $4900
4304 w/Loader . $3500

LONG
N 610DT $10,900
N 560DT $8700
560DT $4750
N 310 ..... $6500
N 310C $6500
460 DT w/Loader ... $6900

CASE
1370D $10,000
930DCK $4500
1470D 4WD - Cab $12,000
(2) 930D CK - Standard .. $2800
(2) 830D CK .. $4500
930 Standard .. $1500
1070 w/cab. .. $7000
1410 - 600 Hours .. $10,750
1200 4WD ... $6000

ALLIS CHALMERS
220D $6000
5040 like new .. $7500
170D $5200
WD-Wide Front. $1200
D12 ..... $1700
WD45 ..... $1200
G w/Tools $1750
190 XT $4250
D19D w/3 pt. .. $3800

MASSEY FERGUSON
1155D ... $7500
1150D ... $6500
1105D w/Duals $8500
175D $4500
T030 ..... $1175
Pony w/cult .. $1250
MF 50 ... $2500
MF 35 w/Ldr ... $2500

FARMALL
1086D $13,500
1466D Cab . $13,500
806D $4650
706D German . $6500
(3) 706D $4000
(2) 706G $3250
656D $5800
856 w/cab $9250
856 ..... $8850
806 w/cab & duals $8000
(2) 340 w/Loader $1700-$2800
2400 w/loader . $6500
404 w/Mower . $3500
14684 w/Cab. $11,500

FORD
7000D - Cab .. $7650
(2) 9N $1100-$1600
(2) 800 ... $2000
9N w/Ldr .. $1950

LOTS OF SMALLER AND OLDER IH TRACTORS

N.I. MACHINERY
Late 325 - 12 Roll ... $5500
325 - 8 Roll & Sheller $5500
Late 324 w/Sheller $4800
319 w/12 Roll $3000
311 w/Sheller $1650
331 w/Super Sheller ... $2950
12 Roll Bed for Pull ... $2850
(3) Mtd Grinders $750
Pull Grinder .. $1675
(2) Mtd. Shellers . $950
(4) Pull Shellers $300-$1000
Pull Super Sheller ... $1650
18 Spreader $875

OLIVER & WHITE MACHINERY
White 6X18 Reset ... $5000
1750 Cab ... $500
Rollbar w/Roof $675
4WD Front End For 1850. $1475
285 Field Cult. - Pull - 18' ... $1875
254 - 10' Wheel Disc ... $1200
252 - 12' Wheel Disc ... $1350

CASE MACHINERY
5X Reset Plow . $4900
Rollobar Rake . $550
930 Cab ... $395
1030 Cab - New $1850
Extra Chopper Heads

I.H. MACHINERY
720 5x20 Reset Plow ... $5000
700 6x16 Reset $2800
203 Combine w/2 Heads ... $1975
403 Combine Cab w/Air ... $1000
(3) 234 Sheller Units ... $950
645 Fieldcult - Pull 19' ... $1875
F H. Field Cult - 12' ... $695
2X Cult - From $100
4XFH Cultivator . $395
53 4XFH Cult ... $800
53 4X 3 Pt Cult. $1200
2XFH Plows $400 & Up
4XFH Plow ... $350
Rollbar w/Roof . $675
(3) Loaders - From ... $675
555 Chopper ... $750
Cub Spreaders From ... $500
#10 18D D Drill ... $2000
18' Wing Disc - Rebuilt ... $3900
13'6" W Disc - Rebuilt ... $1800 & Up
12' W Disc Rebuilt ... $1800
11' W Disc Rebuilt . $1600 & Up
8' FH Disc ... $750
5' Cub Disc From $350
480 25' Wing Disc ... $3900
#10 - 17 S.D Drill ... $1800
2XFH Planter .. $400
Cub Snow Plows ... $195 & Up
Extra Chopper Heads

NEW HOLLAND MACHINERY
354 Mill ... $3850
352 Mill ... $2850
(2) 850 Round Baler . $4500 & $5250
270 Baler w/P.T.O. Thrower ... $1950
479 Haybine ... $3000
477 Haybine .. $1500
P.T.O. Thrower . $700
23 Blower ... $450
890 Chopper . $3800
707 3 Pt 1 Row Chopper ... $1800
(35) Extra Harvester Heads
258 Rake ... $1875
Tandem Spreader ... $2850

FORD MACHINERY
3000 Rollbar ... $275
3000 Cab ... $775
354 4X Planter . $2500
4X Planter ... $1000
2X3 Pt. Cults ... From $250
2X3 Pt Plows ... $395 & Up
3 Pt. Sickle Mower ... $495
3 Pt. Flail Mower $695

A.C. MACHINERY
770 4X No Til Planter . $2900
CII Combine Cab $650
Roto Bar Rake . $800
3X5C Plows $150 & Up
720 Chopper w/2x30 & P U $1850
"G" Snow Plow .. $200
Extra Chopper Heads

M.F. MACHINERY
3X Rollover Plow $1250
35 Combine - Pull Type $2500
1150 Cab - New $1850
1085 to 1155 Cab - New ... $2250

J.D. MACHINERY
336 Baler & Ejector ... $3900
1209 Haybine $1500
2500 7X18 on Land Reset Plow $6000
1450 6X18 Plow $3350
(2) 1450 6X16 Plow . $2150 - $2950
(2) 2600 4X Reset Plow (New) ... $5500
40 4X3 Pt Cult . $395
RG4 4X3 Pt Cult. $895
(10) 2X Cult $75 & Up
(2) 22' Hyd Wing Field Cult - 3 Pt ... $1750
19' Field Cult w/Wings - 3 Pt. $895
(2) 290 2X Cornplanters ... $495
2X Potato Planter $500
8' & 12' Lime Drill $300
5X16 Pull Plow . $850
(2) 3X16 3 Pt Plow ... $475-$775
2X Pull Plows ... $100 & Up
2X3 Pt Plow . $500
#5 Fodder Attach For Baler ... $495
55 P.T.O. Table Blower ... $350
38 Chopper $750
(2) 40 S.P. Combine ... $1600
(2) FBB 17 Disc Drill ... $950-$1850
Van Brundt 17 Disc Drill. ... $950
KBA 20-24-28 32 Disc's. ... $195 & Up
RW 24 Wheel Disc ... $1150
Tedder ... $195
Cab For 45 Combine ... $650
(2) 43 Cornsheller ... $200 & $500
(25) Extra Harvester Heads ... Call
Air Cond. for 33-44-66 Combine ... $675
16A Flail Chopper ... $1250
7000 6X30 Planter Loaded ... $9850
214 Forage Wagon ... $1750
Lots - Lots More Not Listed

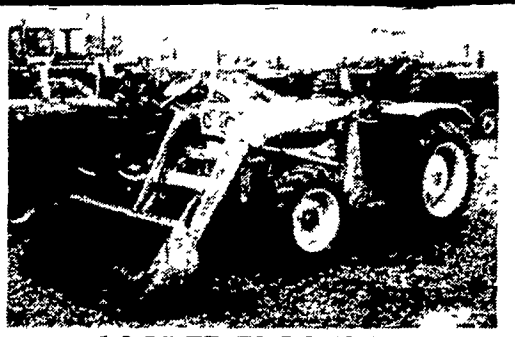
MISC. MACHINERY
Long 10' Offset. $3900
Wilbeck 12' Offset ... $4500
(2) Bearcat 12' Cultimulcher ... $2000 & Up
Knoble 14' Wing Harrow - 3 Pt . $875
New Speeco 6'6" 3 Pt. Disc ... $495
New Round Bale Feeder ... $175
7'-10'-14' 3 pt. Spike Harrows. ... $395 & Up
Long Rollbars . $300
New Brute 8' 3 Pt. Blades ... $695
Waldon 10' Snow Plow ... $2500
Nesseth P.T.O. Manure Pump. $3500
Mayrath 32' Elevator ... $650
Glenco 12' Pull Field Cult ... $1675
2X Transplanter $100
Glenco 9' Soil Saver ... $3300
(8) Cultipackers. . From $150
Meyers 6' Snow Plow $395
Danuser P H Digger $595
F M.A Tedder & Rake. $1000
Hesston 10 Stacker. . $2950
(2) Hesston 10W Movers . $600
Servis 14' Rotary Mower ... $1500
Gehl 9' Haybine $1250
(6) Loaders From $250
Terrain King 15' Wing Rotary $1950
Danuser P H Driver ... $395
Brillion 11' Seeder .. $1800
(2) 1X Potato Digger . From $500
Brady 2X Stalk Chopper . $350
Brady 4X Stalk Chopper $1350
MM D Cornsheller . $675
8' Rock Picker . $850
Hutchmaster 13' Offset Disc ... $4500
Athens 5' 3 Pt. Chisel Plow ... $550
Athens 11' Pull Chisel Plow ... $1395
Assorted 1X Cult & Plows
Assorted Side Dressers
Spike Harrows ... Call
Spring Harrows . Call
Swartz Mixer Wagon ... $1850
Corn Drags From $400
New 6' 3 Pt Landscape Rakes ... $495
New 7' 3 Pt. Blades . $245
New 2x3 Pt Plows ... $450
New 1200 Bu Corn Cribs ... $795
3 Pt. Woodsaws . $500 & Up
New Landscape Boxes ... $350 & Up
165 Gravity Bins $450
230 Gravity Bins $525
Dunham 16' Mulcher ... $2250
Dunham 10' Mulcher ... $685
B H. 2 x 3 Pt. Planter ... $200
New 3 Pt. Seeders ... $395
EZ 16' Box 3 Beater & Roof - No Gear . $2500
Lamco 16' Box - 3 Beater & Roof - No Gear ... $2400
8 Ton Gears ... $550
10 Ton Gears .. $625
12 Ton Gears . $975
(30) Sets of Duals
Lots of Harvester Heads To Fit All Makes

FOR SALE I & T TRACTOR SHOP MANUALS FOR OLDER & NEWER TRACTORS

CONSTRUCTION DUMPS
(2) 1974 IH & Ford Diesels w/9' Bodies - Air Brakes. $13,900

NI UNI SYSTEMS
701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
Combine Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
705 Diesel w/cab - nice
760 Chopper

CRAWLER LOADERS
Cat 941 $16,900
Cat 933 $8750
(2) JD 350. $6500-$7500
JD 450B w/9300 Hoe $15,900

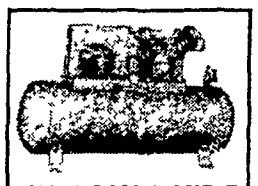


LOADER TRACTORS
IH 2400A - Nice ... $6500
IH 340 - Widefront - Fair ... $2800
IH 340 - Trycycle - Poor ... $1700
MF 35 - Fair ... $2500
Ford 9N - Nice ... $1950
Long 460 4WD (PICTURED) - Nice $6900
JD 430 - Nice ... $3500

TRAILERS
1969 Great Dane 35 ton detachable ... $15,750
New HD10 2½ ton ... $1650
New HSE14 4 ton ... $1275
New HSM14 6 ton ... $2000
New HSL14 6 ton ... $1950
(3) New HTR16 8 ton ... $2950
1976 Goosenéck 3 axle w/tilt top .. $4800

MISC. CONSTRUCTION
Davis DH5 trencher New Diesel .. $13,500
(6) Sweeper attach. From ... $95
(40) Used hoe buckets ... From $150
(25) Loader buckets ... From $95
(8) Set forklift forks ... From $300
Mich 35 4WD Loader ... $8500

TRUCK TRACTORS
(2) 1974 Ford Louisville Diesel ... $8650



INGERSOLL RAND 5 HP AIR COMPRESSOR
2 cylinder - single phase - 80 gal tank
used 3 month
$1850.00

BACKHOES
Long 3 pt Hoe-new ... $4500
Long 5 in 1 w/cab ... $17,500
(2) JD 310 ... $11,500
Ware Hoe Attach $2750
Case Hoe Atach $2750
JD 9300 Hoe Attach $5500
3 Pt Backhoe $2400
IH Hoe Attach $1800

1978 CHEVY DIESEL PICKUP - 40,000 MILES $3900

ROLLBACKS
1968 Int. Diesel - 24' ... $7500
1976 Ford Louisville Diesel - PS - 5 & 2 - 24' Rollback Nice $23,750

COMBINE CORN HEADS
NARROW ROW
IH 833-743-733-429-329
JD 643-443-343-434-334-313
AC 630-430-330
Oliver 703N-541-531
MF 63-43-33-421-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30
WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22
JD 434-334-234-210-205-10
AC 440-435-240-238
Oliver 544-531-522-512
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

SKID STEER LOADERS
Case 1740 Diesel ... $6800
Melroe 500 .... $3500
OMC ... $3500

WE LEASE TRACTORS & MACHINERY - 1 WEEK MINIMUM RENT A BIG OFFSET DISC FROM US

DUMPS - FARM
1974 Ford Louisville 18' Omaha Dump w/Cattle Racks Diesel $14,950
(2) 16' Steel Dump Bodies - Complete - Excellent ... $4000

LOG SKIDDERS
Franklin 133B w/Log Loader $6250
JD 440B ... $8750

FORKLIFTS
Ford 30' Diesel ... $11,500
JD 2010 ... $5000
Int 340 .... $4500
Yale 3000 Lb . $3500

COMPLETE RUNNING GAS & DIESEL ENGINES
50 On Stock - Call

WHITE Farm Equipment

bobcat ® KUBOTA

SPERRY NEW HOLLAND

USED EQUIPMENT

TRACTORS

Oliver 770
Oliver 1650
Oliver 1850

HAYTOOLS

NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
NH 270 Baler w/Thrower
NH 846 Round Baler
NH 68 Baler
NH 275 Baler
Oliver 620 Baler w/Thrower
JD 483 Mower Cond
NH 467 Haybine
NH 469 Haybine

SKID LOADERS

NH L-35, 358 Hours
Bobcat M600

TILLAGE - PLANTING

White 5400 Planter
MM 4-16 HAR Semi Mtd Plow
JD 1240 4-Row w/Monitor
Ontario 16-7 Grain Drill, 1 Yr. Old
IHC 16' Cart Harrow

FORAGE TOOLS

NH Super 717 w/1-Row
NH 717 Harvester w/1-Row
NH 880 R2-2-Row Head

CORN PICKERS & COMBINES

NI 324 2-Row w/12 Roll Bed

SPREADERS

JD 54 Spreader
NI 212 Spreader
NI 214 Spreader
NH 510 Spreader

NEW EQUIPMENT IN STOCK

WHITE
2-30 Two Wheel Drive
2-45 2&4 Wheel Drive
2-62 Tractor
2-105 Tractor
WHITE
543 6R Planter No Till
5100 6R No Till
WHITE 254 10'4" disc

N.H L425 Loader
N H. 256 - 258 Rakes
N.H 707, 718, 782, 892 Harvesters
N H Spreaders - 513, 519, 679 & 800
Vicon 3 pt Fert Spreader
Bobcat 530, 641 & 743
Tye No Till Drill
Glenco 7' Soil Saver
Morridge 275 Grain Dryer

SPECIALS

Woods M5 3 Pt Rotary Mower . . . $675
Woods M72 PC 3 Pt Rotary Mower $895

DUNHAM - BRILLION - LAMCO - BOBCAT

NORMAN D. CLARK & SON

Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South Port Royal on Rt 75

DISTRIBUTOR OF CENTRAL TRACTOR PARTS CO

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS

537 E. 28th Div. Hwy. Lititz, PA 17543

717-626-6198

Outstanding Features

Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut Off valve plus a secondary shut off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure-vacuum pump is standard equipment Conservation rated at 135 C F M of air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600 3 150 3 600 and 4 600 gallon models (Optional on 1 500 & 2 100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twisting jolting shocks of hard field usage year after year

USED TRACTORS FOR SALE

1 - JD 4020, good cond.
1 - Ford 4000, good cond.
Both Diesels with wide front ends

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

Special - One Only

NEW 2100 GALLON VACUUM SPREADER, TANDEM AXLE TRAILER TYPE WITH STANDARD VACUUM PUMP, 540 RPM, 4" SUCTION HOSE AND SECOND LOAD PORT. CALL FOR SPECIAL PRICE

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- Lagoon Pumps
- High Pressure Pumps

FARM EQUIPMENT

JD 1010 tractor w/cultivators and mower exc cond 301 876 1956

FARM EQUIPMENT

Wide front for JD tractor 301 876 1956

FARM EQUIPMENT

For Sale 1976 1210 Case diesel 15 hp $7500 Financing available 717 866 7093 Lebanon Co

FARM EQUIPMENT

For Sale - US bed chopper like new, Morgan cross standardbred mare 4 yrs old all purpose horse, 4 yrs old Elam E King Quarryville, RD 3 along 3/2

FORAGE WAGON WOOD PARTS

Wood Mill Corp. supplies wood repair parts for all makes of forage wagons. We have successfully completed many partial or complete wood parts repairs this year for dealers and farmers who own:

New Holland	Gehl	Deere
Kasten	Lamco	Dion
Arts Way	IH	Badger
Rex		

You can buy completely made up and painted sides, floors and tail pieces or whole sets as needed. Install yourself or have us do it. All parts meet or exceed factory specifications. All work is done by experienced forage wagon builders who regularly supply equipment to New Holland, IH, Gehl, Arts Way, Kasten. Call or bring your forage wagons in for an estimate.

WOOD MILL CORP.

RD 1 Farmersville Rd, New Holland, PA 17557

717-354-4919

Used Combines & Cornheads

AC KKS Gleaner w/10' header & 330 cornhead
AC FKS-2 Gleaner Combine, Diesel, 13' Grain Head, Hydrostatic Drive
NI 702 Tr. w/717 combine w/713 S-13' header
IH 315 Combine w/13' grain head & 2 row cornhead
AC C Gleaner w/440 cornhead
(1) MH 82 SP Combine 13' header
2 - MF QT 24 2 row cornhead
NI 728 4-Row Narrow Cornhead

Used Manure Spreaders

NI 244 Manure Spreader w/hyd. end gate (1 yr. old)
NI 224 Manure Spreader (350 bu.)
NH 676 Manure Spreader (275 bu.)
NI 214 Manure Spreader w/3 beater & hyd. end gate
NI 214 Manure Spreader w/single beater & hyd. end gate
NI 214 Manure Spreader w/flail beater
207 Hawkbilt Tank Spreader

Used Tractors

AC 7000 w/cab & Air
AC 5050 w/220 hrs.
AC D15 Tractor
IH 450 Tractor

New Corn Pickers

324/327 2-Row Wide
323 Single Row

Used Corn Pickers

1 - 324/327 2 row wide picker
1 - 729 Uni Sheller
1 - Uni Husker w/702 tractor, 727 husker & 723 2 row head
1 - 726 Uni Husker

Misc. Used Equipment

Hesston 310 self propelled haybine
NI 279 Cutditioner
JD 38 Harvester w/2 row wide & pickup
JD FB17 Grain Drill single disk
Brillion 14' transport harrow
NH Super 717 Harvester w/2 row cornhead
767 Uni-Forage Harvester
Int. 2000 Front End Loader w/fork

New Tractors

In Stock - Priced To Sell!
AC 5030 w/turf tires, 26 h.p.
AC 5050 51 h.p.
AC 6060 63 h.p.
AC 7010 w/cab & air & power shift
AC 7010 w/no cab & 18.4-38 tires
AC 7060 w/cab & air & power shift

NI 1500 Gal. Vacuum Tank Spreader **$5,595.00**	AC 2500 15' Fold Disc Harrow **$6,395**
FFP 9 9-Tooth Glenco Soil Saver **$6,490.00**	AC 2500 12' Non-Fold Disc Harrow **$4,350**
AC 1200 Field Cultivator 16½ ft. Hyd. Fold **$2,650.00**	AC 2313 13'2" Disc Harrow **$3995**
Little Giant Rollaway Elevator **$650.00**	8C 25HP Hydramac Skid Steer Loader with 2 Buckets-Rental Unit **$5,995**
Model 2000 Series Semi-Mounted 5 Btm. AC Plow **$4,095.00**	48' Hub Elevator w/Hopper, Grain Discharge Head & Swivel Spout **$3,095** Less Motor
AC Model 2600 Fold Disk 16'8" **$7,195.00**	Artsway Forage Box with Roof 3 Beater, 10 Ton Gear with 11Lx15 Tires **$5,195**
AC 333 No Till Special Corn Planter w/Air Unit & Gran. Fert. Row Marker & Monitor Waiver Until 3/1/82 **$7,895.00**	

ITCO
Dealer for ITCO Corp
• Over 9,000 items At Discount Prices

AVCO NEW IDEA

SHARTLESVILLE FARM SERVICE

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

ALLIS CHALMERS

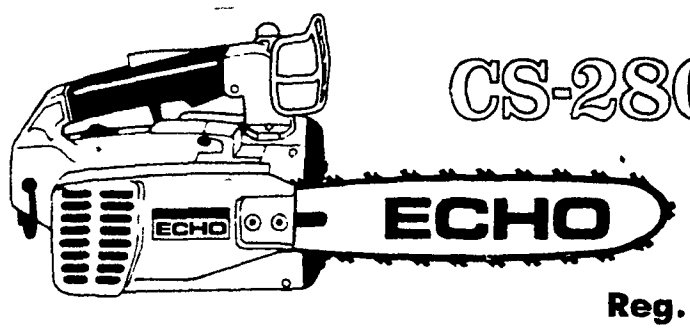
SPERRY NEW HOLLAND

POCKET THE SAVINGS
During Our CHRISTMAS SALE
December 1 through December 8, 1981

ECHO® CHAIN SAWS

ECHO Sales Representatives Will Be Here On Saturday, December 5, From 8 A.M. to 5 P.M.

CS-280E

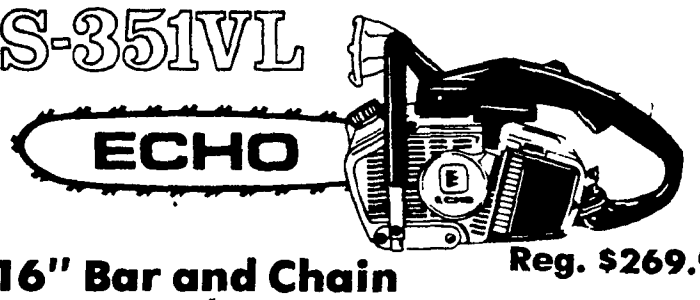


Reg. $139.95

With 12" Bar and Chain

SPECIAL $89.95

CS-351VL



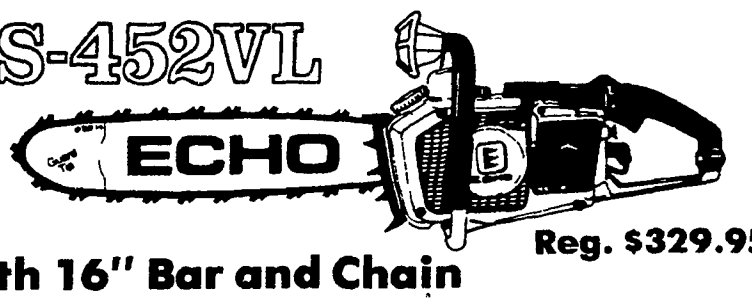
Reg. $269.95

With 16" Bar and Chain

SPECIAL $199.99

FREE: Carrying Case & Extra Chain

CS-452VL



Reg. $329.95

With 16" Bar and Chain

SPECIAL $259.95

FREE: Carrying Case & Extra Chain

CS-500VL

Reg. $349.95

With 16" Bar and Chain

SPECIAL $279.95

FREE: Extra Chain

OREGON® OMARK INDUSTRIES chain sale

NOW... BIG SAVINGS ON THE WORLD'S LEADING SAW CHAIN!

BUY 1 REPLACEMENT CHAIN FOR YOUR CHAIN SAW, ANY MAKE OR MODEL, AND GET THE SECOND REPLACEMENT CHAIN FOR:

$1

Be sure to bring your old chain along for correct size replacement

SMC SANBORN MANUFACTURING COMPANY

PORTABLE AIR COMPRESSORS

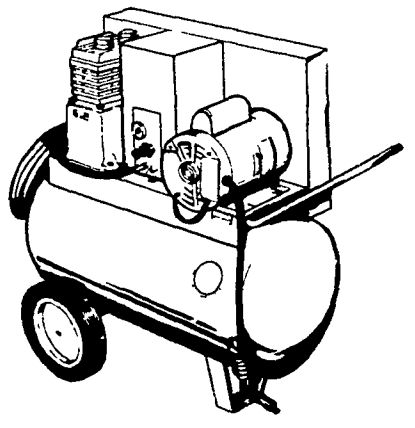
For The Farm, Home & Shop

SPECIAL

$249.95

1 HP AIR COMPRESSOR

Our Reg. Price $299.95
- Model 44A100-22
- 22 gal. Tank
- CFM at 40 P.S.I. - 3.0

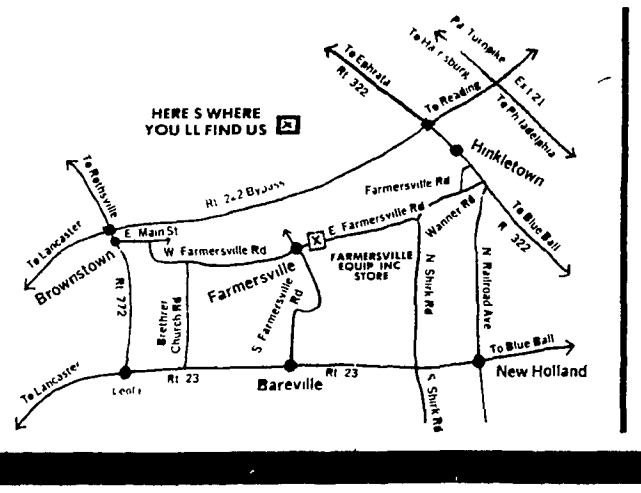


SPECIAL

$379.95

1 ½ HP AIR COMPRESSOR

Our Reg. Price $449.95
- Model 84A150-22
- 22 gal. Tank
- CFM at 40 P.S.I. - 6.3



FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271
Hours Mon , Tues , Wed & Fri 7:30 A M to 5 30 P M
Thurs to 8 P M Sat till 3 P M

VISA

FARM EQUIPMENT

NEW EQUIPMENT
JD 2240 Dsl. w/FWhD
JD 2940 Dsl. w/FWhD
JD 4440 Dsl. w/Duals
JD 30" 3R Corn head $4595
JD 30" 2R Corn Head $2495
JD 1360 Mower Cond. $8995
JD 506 Gyamor Mower $700
JD 1440 Planter w/80 units $4500
JD 78 Rear Blade 7' $410
JD 2420 SP Windrower $23,475
JD 534 Dozer Blade $2635
JD 3960 Harvester $9955
JD 1250 3B 16" Plow $1320
JD F950 12' Roller Harrow $3950
JD 567 Wheel Rake $1275
JD 445 Spreader $4000
JD 450 Spreader $5645
JD 680 Spreader $8200
JD 336 Baler w/Kicker $6750
JD 235 Disc Harrow 19'11" $11,800

USED EQUIPMENT
JD 3R 30" Corn Head $2895
JD 1R Corn head $650
Hesston PT10 Mower Conditioner $1695
NI 325 picker w/super sheller $5995
JD 344 3R 40" Corn Head $2495
Woods MC90 mower $895
Woods C114 mower $1495
JD 24T Baler w/kicker
JD 38 & 3800 Harvesters
JD 4B F125 Plow
JD 5B 1450 Plow
JD AW 9'10" Disk
JD 494 4R Plate Planter
IH 6R Air Planter w/dry fert.
IH #56 4R Planter
Farmhand Loader to fit JD 1010 & 2010
Brillion 9' Packer

WENGER IMPLEMENT, INC.
The Buck, PA
717-284-4141

FARM EQUIPMENT

See Us About IH Purchasing Programs.

NEW EQUIPMENT
Call for Prices
Gehl 360 skid steer loader
Gehl 1600 round baler
IH 425 baler w/thrower
IH 1190 mower-conditioner
IH 200 2 row, 3 pt. cultivator

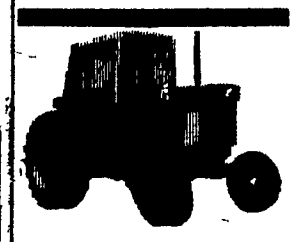
USED EQ. SPECIALS
Ford 740 tricycle w/Johnson loader.
Reg. $1975 Special $1650
IH 990 mower-conditioner
Reg. $2250 Special $1850
AC 303 baler w/thrower
Reg. $1550 Special $1295
IH 715 combine
Reg. $17,500 Special $15,900

USED EQUIPMENT:

766 Tractor	$12,400
1066 tractor	$13,800
MF 65 diesel w/industrial loader	$4750
IH 550, 5 x 16 plow	$1250
IH 4x14 trail plow	$375
JD 12' Mtd. Vibra Shank harrow	$1550
IH 400 Cyclo 4 row planter	$3450
IH 400 Cyclo 4-row planter	$2975
Pincor alternator with trailer	$1495
IH 403 combine, 4 row corn hd., 13' platform, hydro. drive,	$9,500
IH 470 19' Disc Harrow w/mulcher	$2500
Fox blower	$750
468 4-row cultivator	$850
2 A-Hay Crusher	$95
NH 770 forage harvester w/2 row narrow row hd. & pickup hd.	$3500
#10 hoe drill	$1950
#10 single disc drill	$2300
Ontario 12x8 hoe drill on steel	$435
Arts-Way grinder-mixer	$1375
Bale wagon	$795

INCH EQUIPMENT CO.
Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147.
INTERNATIONAL AGRICULTURAL EQUIPMENT
• U.P.S. Service Available

FARM EQUIPMENT



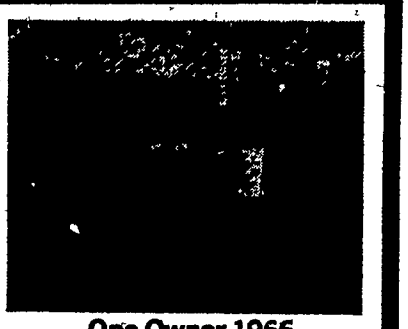
FALL CLEARANCE
NEW TRACTORS
3288
786
884 R/C
584 R/C
584 Utility
384
284D 4 wd
284 w/Woods mower 72"
184 2/Woods mower

NEW EQUIPMENT
IH 80 Snowblower 3 pt hookup
Tractor Snowblowers for 185
4140 Skid loader
720 automatic 5x18 btm plow
570 5x18
450 3x16
420 3x16
475 11 ft 6"
350 10 ft 3"

USED EQUIPMENT
Farmall 1066 w/cab
512 NH spreader w/hyd endgate
510 plow 5 bottom, 16", $1500
475 11' disc harrow

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2876

We Sold 1977 1 Owner 1100 Hrs. Like New
$15,800.00



One Owner 1966 Bought New - Very Nice
$6,000.00

Tractors just traded on New John Deeres
Most Tractors Reconditioned & Repainted
Call about Waiver of Finance Charge & Payments

J.D. 830D 600 Hrs. 1974	$6500.00	J.D. 950 35 Hrs. 1981	6,800.00
J.D. 2240 900 Hrs. 1977	$13,000.00	IH 656D WF 3600 1965	6,000.00
J.D. 4030 1100 Hrs. 1977	15,800.00	IH 300U	
J.D. 4010 1961	6,900.00	IH Cub w/plow-mower	
		IH 2500 w/highway mower	

Used Tractors

IH Cub 154 Lo-Boy w/Mower	J.D. 420 Rebuilt Loader-Backhoe
IH 330 Clean	J.D. 40 w/Highway Mower
IH Farmall H	AC B w/Mower
J.D. Cyclone B	AC C w/2 Way Plow
J.D. MT	Satoh 550 w/Mower
J.D. 430T Loaded	Satoh 650G w/Loader

Hay Tools

N.H. 477 Haybine 7'	J.D. 24T w/Ejector Clean
N.H. 476 Haybine 7'	J.D. 336 w/Ejector Rebuilt
N.H. 67 Baler	J.D. 9W 3 Pt. Mower

Tillage Tools

IH 20' Wing Fold Disc Model 485	2 Very Good Meyers Snow Plows Tractor Mount
IH 10' Disc 350	Woods 7' Pull-Type Mower rotary
J.D. RWA 9'10" Good	Woods 5' RM59 3 Pt Mower rotary
J.D. 3 Pt. Harrow	Flat wagon
J.D. 3 Pt. Model Y Disc Like New	J.D. 40 Spreader Good
J.D. 145 6B Plow	J.D. 6R 495 Planter
Oliver 4B Semi Plow	Good selection lawn tractors - snow mobiles
J.D. 45 2B Plow like new	
2 Packers	

ROBERT E. LITTLE, INC.
JOHN DEERE
Zieglerville, PA 19492
215-287-9643

PUT YOUR MONEY IN THE BANK

Buy A New IH Tractor From Us Now, Trade In Your Used One And Put Your Money In The Bank Until March 1, 1982

NO PAYMENTS, NO INTEREST CHARGES

RINGTOWN FARM EQUIPMENT
RD 1, Ringtown, PA
717-889-3184

New Tractors At Old Prices

1086 w/cab	584 row crop
786 18.4x38 tires	84 hydro row crop
84 hydro row crop	184 w/mower

Combine
1420 combine w/corn & grain heads.
Waiver of Finance till 9-1-82
IH Commodity Bonus

New Implements All w/Waiver Dates

800 cyclo planter	5-1-82	770 offset disc 13'8"	3-1-82
5100 grain drill	5-1-82	370 disc harrow 12'	3-1-82
720 5 btm. auto reset plow	3-1-82	401 harrow 12'	3-1-82
720 4 btm. plow	3-1-82	45 Vibra Shank 12'	3-1-82
140 4 btm. roll over	3-1-82	2250 loader	3-1-82

LONG SPECIAL ONE DAY TRACTOR SALE

Wednesday December 9, 1981
9 A.M. - 6 P.M.

FORRESTER FARMS
1337 Lincoln Way East
Chambersburg, Pa. 17201
Phone 717-263-0705

FREE Refreshments

OPEN HOUSE

WIN a Long Stove valued at over $900.00 to be given away by drawing

Free case of 4 1-gallon containers of Long Oil with each Sale of A LONG TRACTOR

Model No.	PTO H.P.	Tire Variable	Suggested Retail Price	SALE PRICE
260 C M S	24	5 00x15/12 4x24	$6,615 00	$4,424.00
260-C P S	24	5 00x15/12 4x24	7,236 00	4,795.00
260 M S Std	24	5 00x15/12 4x24	6,615 00	4,424.00
260 P S Std	24	5 00x15/12 4x24	7,236 00	4,795.00
310 M S	28	5 00x15/11 2x28	7,095 00	4,851.00
310 P S	28	5 00x15/11 2x28	7,717 00	5,222.00
310-DT P S	28	9 50x16/13 6x24	9,083 00	6,259.00
360-C	35	5 00x15/12 4x24	8,288 00	5,671.00
360	35	6 00x16/13 6x28	8,856 00	6,043.00
460	41 9	6 00x16/14 9x28	9,855 00	6,336.00
460 shuttle	41 9	6 00x16/14 9x28	10,866 00	6,954.00
460-V	41 9	5 00x15/11 2x28	9,127 00	5,864.00
460-DT	41 9	9 5x20/14 9x28	12,773 00	8,494.00
510	48 5	6 00x16/14 9x28	10,544 00	6,741.00
510-DT	48 5	9 5x20/14 9x28	13,638 00	8,749.00
510-S Crawler	48 5		14,620 00	7,750.00
610	64	7 50x16/16 9x28	12 423 00	8,204.00
610-DT	64	9 5x20/16 9x28	15,656 00	10,099.00

P.S Hydrostatic steering /M S Manual Steering / C Compact / DT dual traction 4 wheel drive V Vineyard/ SUGGESTED SALE PRICE INCLUDES Base Tractor, Wheel variable, 12 volt battery variable. Prices FOB Tarboro, N C

Backhoe Sale 5-N-1 Super II reg price $34,179 00 sale price $22,545.00 16' dipper stick, 11 00x16/18 4x24 Tires 8 cu ft backhoe bucket roll bar 1 cu yd loader bucket quick change carriage

1199B backhoe 24 bucket suggested price $5,355 00 Sale Price $4,155 00

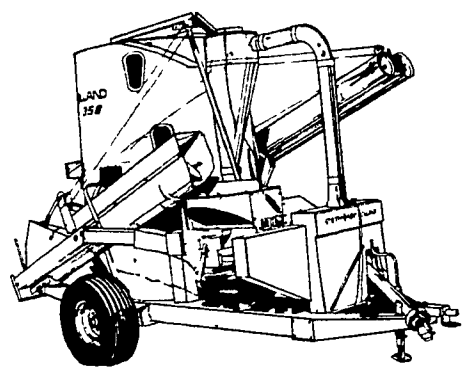
FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

MESSICK FARM EQUIPMENT

PARTNERS in AGRICULTURE

See The NEW INTERNATIONAL SERIES 88 TRACTOR

Waiver of Finance on all AG TRACTORS till MARCH 1, 1982



NEW HOLLAND MODEL 358 OFFERS BIG CAPACITY.

If you re in the market for a new grinder-mixer, check out the Model 358 from Sperry New Holland Special tank design practically eliminates bridging, no matter what crop you're grinding

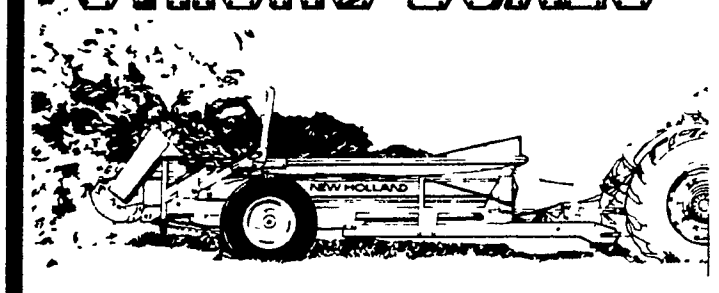
Check these features

- 125-bushel tank
- 21-inch hammermill
- 540-or 1,000-rpm drive
- Mechanical or hydraulic drive

The "358" also available with power bale feeder plain feed chute.

SPERRY NEW HOLLAND

STRONG-BOXES



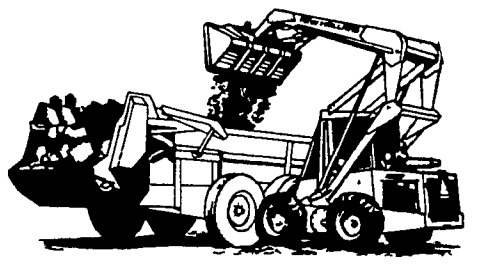
Hard-to-hurt sides are backed by a hard-to-beat guarantee on all Sperry New Holland box spreaders Bonded Protection gives you new sides free if they ever rust through while the rest of the spreader is still operational Applies to any owner, not just the original buyer You can choose from seven models of Strong-boxes, with capacities ranging from 108 to 510 bushels

A Real Value:
MODEL 519, 200 Bu.
$4,412.89

CHECK OUR SPECIALS on SKID LOADERS and SPREADERS

SIX SKID LOADER MODELS TO CHOOSE FROM: 22 HP to 62 HP, Gas or Diesel

USED NEW HOLLAND SKID LOADERS
Low Hours, Ex. Cond.
L 425 . $8,995
L 775 $12,000



GOOD CLEAN USED EQUIPMENT

NH Model 850 Round Baler, $5395 00
NH 519 Spreader, Hyd Gate, Ex Cond
NH 510 Spreader
NI 214 Spreader w/Tailgate, Ex cellent, 2650 00
NH 362 Tank Spreader, $1595 00
Badger 180 Spreader, $1200 00
Several Used Cub Cadets
IH Model 234 Mtd Corn Picker
NH 770 R2 Corn Head
NH Self Propelled 818 Diesel Harvester
IH 650 2 Row Cornhead and Pickup Attachment
Twin Rower to Pull 2 Rakes
IH 37 Baler w/Thwr
NH 275 Baler w/Thwr
NH 489 Haybine, Ex
NH Model 495 Haybine, 12 ft ex cond , $4850 00
NH 276 Baler w/58 Thwr

LOOKING FOR A CLEAN USED TRACTOR?
Check This Listing And Give Us A Call

- IH 454, 3 pt. hitch
- IH 574 D
- IH 656 with New Engine
- Farmall M
- Ford 3600 with Cab, 80 Hours, New Cond.
- Oliver 77

AMCO TERRACING DISK DEMONSTRATION DECEMBER 8 - CONTACT US

1200 Gal Aluminum Sprayer Tank
JD 494A, 4 Row Planter $975 00
JD 10 Ft Cult Mulcher
JD 12 Ft Cult Mulcher
JD 1209 Mower Conditioner
IH 7 ft Sickle Bar Mower, Good Condition
Oliver 3 Bottom Plow
IH 531 Plow
IH 9A Disc Harrow
JD KBA Transport Disc Harrow
Ford 8' 3 pt Disk Harrow
Grove Forage Box Wagon, Ex Cond , $1350 00
NI Hay Rake, $650 00
Fox 3310 Harvester, Super Ex cellent Condition
IH Model 510 16x7 Grain Drill, Ex Condition
Skid Loader Trailer, Tandem Axle With Brakes & Lights, $1250 00

MESSICK FARM EQUIPMENT, INC.

VISA*

RHEEMS EXIT - RT. 283, ELIZABETHTOWN, PA
PHONE. 717-367-1319, 653-8867
WARREN SPICKLER — HOME 653-4560 RAYMOND MILLER — HOME 653-8762
★ WE SHIP UPS

FARM TRACTORS

JD 4010 diesel, cab
JD 2520 side console
JD 2020 diesel
AC 210 diesel
AC D17 diesel
AC WD 45
JD 3010
JD 730 diesel
JD 720 diesel
JD 630
JD 530
JD 50
Ferguson 30

814-793-4293

USED GORMAN-RUPP PUMP

For liquid manure and waste water, pump only or w/gas engine

EECO, INC.
4021 N. 6th St
Harrisburg, PA 17110
717-238-9423

JOHN DEERE 300 DIESEL TRACTOR

w/Direction Reverser, 3 pt. hitch and industrial loader, very good.

COMBINES

Minn. Moline w/Sheller & 2 Row Corn Head
1974 JD 4400 Dsl., Cab & Air, Choice of Heads
1972 JD 6600 Diesel, Cab, Choice of Platforms
JD 3300 Cab and Air, choice of 10' or 13' Grain Platform
Gleaner F w/Cab, Grain Saver, 13' Grain Table, 4 Row Narrow Corn Head, Very Nice
1975 JD 6600 Diesel, Cab, 1,000 hours, like new

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

TRACTORS

JD 4520 D, Cab, AC, Power-shift
JD 4430 D. Cab, Air, Quad Range w/20:38 Tires
JD 4430 4 Post RG, Quad
JD 4320 Dsl. RG Cab
JD 4320 Dsl.
JD 4230 D, Cab, Air & Quad
JD 4230 Dsl.
JD 4000 Dsl. WFE
JD 4020 Dsl. WFE
JD 3020 Dsl. WFE Power Shift
JD 2030 Dsl. RG, 15.5 & 38 Tires
JD 1530 Diesel
JD 300 Dsl. w/Loader 3 Pt
JD 820 Diesel Utility 500 Hrs.
JD 730 Diesel Very Nice
IH 1566 Diesel, Black Stripe, Cab & Air
IHC 1466 Dsl. Cab, Air, Dual PTO
IH 1256 D WF
IH 1066 Dsl. Cab & AC
IH 1066 Dsl. WF Very Nice
IH 966 Dsl.
IH 766 Dsl. WFE
IH 856 D., WF, w/Turbo
IH 856 D. WF w/Fast Hitch 38" Rubber, Very Nice
IH 826 Wide Front
IH 806 Dsl., WF .
IH 706 D (SOLD) German Engine
IH 574 w/2050 Loader
AC 200 WFE & Cab
Oliver 2255 Cab & Air Very Nice
Oliver 1850 Gas Cab w/Over & Under

BALERS

JD 346 Wire w/Bale Chute or thrower
JD 336 Twine w/Thrower
N.H. 1002 Bale Wagon

CORN HEADS

IHC 850 15' Flex Head, like new
AC F430, G430, C#430
AC KF330
JD 243, 244, 343, 443, 444, 643

PLOWS

IHC 710 4x16 sp. reset
IH 540 4x16
IH 550 5x16
IH 710 5x16 spring reset
IH 710 4x18 spring reset
IH 720 6x16 spring reset
JD 1450 5x18
JD 2500 5x18 sp. reset
JD 350 5x16 hyd. reset
JD F 145 4x14, 4x16 & 5x16

DISCS

JD 12'-14'-18' BWF Rock Flex Disc
JD 12' AW Disc
JD 12' Roller Harrow
JD 230 Hyd. Fold 22' w/ Leveling Bar
Bush Hog 1438 Heavy Duty 18' Wing Fold

HEAVY DUTY DISCS

Hutchmaster 12' offset
Rhino 11' Flex

CORN PLANTERS

IHC 400 Air 4R dry fert. and insect., very nice
JD 7000 4R narrow, dry fert. insect., hvy. coulters and monitor
JD 7000 4R Conservation, insect., monitor, excellent
JD 1240 4R Plateless, liquid fert.

MOWER CONDITIONERS

NH 467, 477 7 foot
NH 479, 489 9 foot
JD 1209

MISCELLANEOUS EQUIPMENT

Hesston PT7 Mower Condition, Ve (SOLD)
(2) JD16A Flail Choppers
JD Adaptor Bundle fits 243 corn head to forage harvester
JD B Grain Drill, 16 opener with grass seed
JD FBB Double Disc Grain Drill, fert. & grass seed, very nice
JD 640 Rake with fro (SOLD)
MF 235 Loader w/valve control
JD 58 Loader w/large materials bucket
IH Direct cut for 560-650 Harvester
20' Speed King Wheel Harrow
Cab to fit 06 and 56 IH Tractors.
IHC 18-38 & 18-34 Duals
Hesston Adaptor Bundle to fit Gleaner Corn Head
Little Giant Drag Elevator (new) $425 F.O.B.
Great Bend Loader to fit IH 706 thru 1466
NI and JD Wide or Narrow 2 row Corn Pickers

GUNTHER HEUSSMAN INC.

So. 5th St., Emmaus, Pa. 18049 215-965-5203

FARM EQUIPMENT

Ivan's Rental & Leasing

SKID LOADER

Crew Cab Pickups Trailers

717-768-3052

RD 1, Gap, PA 17527

FIELD QUEEN
FORAGE HARVESTERS

NEW TILLAGE

12' Rhino Rock Flex Disc
18' Amco Hyd Wing Rock Flex Disc
13' 245 Bush Hog Offset 26" Disc
14' 1439 Bush Hog Disc
12' Glenco Soil Finisher

NEW EQUIPMENT

Hesston 30B Stacker
Allen 20' Hyd Rakes

USED TRACTORS

White 2-70 w/Cab & Loader
Oliver 1850 D
JD 2510 Gas
Ferguson 20 w/Sauder loader

USED HARVESTERS

FIELD QUEEN SIDE DUMP, Cat Engine, 3 Row Head & Pickup

NH 1895 Forage Harvester, 4 Wheel Drive, 3 Row Auger Head and Pickup, 283 hours Excellent

NI 702 Diesel Uni
NH 890 3R & Pk. Up.
Gehl Recutter Blower
IH 715 Combine, 13' grain & 3 Row Corn Head
Fox 3310

USED SPREADERS

NI 224 10 Ton
NI 218 8 Ton
NI 214 & 213
NI 1500 Gal. Vacuum

USED EQUIPMENT

12' Brady Shredder
MF 7B 880 Reset Plow
Ditch Witch Trencher
20.8x38 Snap-on Duals
Hesston 4800 Big Square Baler
Fg. Wagons, J.D., AC, Grove, NH
Hesston Stackhand 10 & 30
Fox Blower
NI 728 4RN Head
Gehl 6' Rotary
JD 7' Rotary
White 5400 6R No-Till Pltr.
IH Cyclo 500 8 Row No-Till Planter
AC 6R Liquid Planter w/No-Till
AC 15' heavy duty Sgl. Fold Disc
JD 28 Disc Harrow
NI 323 1R Picker
Hesston PT10 Windrower
NH 479 Haybine
NI 272 Cut/ditioner
Hesston 320 SP Windrower
Hesston 1014 Hydro Swing Windrower
SS9 Glencoe Soil Saver
NI 710 Combine
Hawk Bilt 2155 Roll Top
Better-Bilt Hi-pressure Vac. Pump
Kools Recutter Blower

STOLTZFUS FARM SERVICE

Cochranville, Pa.
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Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222

GUARANTEED QUALITY USED EQUIPMENT

Would Sell Any Tractor w/or w/o cab IH tractors w/3 pt or fast hitch
JD 4430 cab, air, real clean tractor
IH 856 diesel, cab, 38" rubber, fully equipped
JD 4020 diesel, real good solid tractor
MF 1130 Diesel w/multipower rebuilt 1 yr ago
IH 1206 WF dual pto, 3 pt new ta
IH 806D Clean local trade **SOLD**
IH 1256 w/cab & air, nice, clean, original tractor
1968 JD 3020 D, 600 hrs on overhaul, 16 9x38 rubber, roll bar canopy
1970 JD 3020 D Side Console 38" rubber Clean local tractor
IH 826 gear drive, very clean, fully equipped
IH 1066 w/yr round cab new rubber, TA & clutch, new last fall Local tractor
IH 966
Farmall M with wide front
Oliver 1850 diesel, Perkins (100 h p), wf, 3 pt
AC D17 gas, clean
MF 300 quick attach combine w/cab & air, very clean, 3 row narrow w/13' platform & pickup reel
Gehl 3000 skid loader w/3 buckets, 360 orig hrs, w/electric clutch shut off
IH 35 hyd driven hay rake
NI 744 4 row narrow quick tach

MISCELLANEOUS

2 cabs w/air to fit IH 06 to 56 series tractors $700 $800
IH & JD rear & front weights
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MF 265.
MF 255 Used 424 Int. w/loader - $4800

NEW COMBINES

MF 860 - 1982 MF 850 - MF 540

CHECK FOR SPECIAL PRICE ON THIS COMBINE

White 9700 (NY customers take note-this is 4WD!)

NEW IMPLEMENTS

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Taylorway 600054 Disc
MF 925 Haytender
Brady 3270 Cultivator
Brady 1800 Chisel
Kuker 300 gal Sprayer
White 25 Disc
Taylorway 600003 Chisel
White 256 Disc
MF 220 Disc
White 5400 Planter Dry No Till
McCurdy 275 Gravity Box Less Gear
McCurdy 230 Gravity Box Less Gear
MF 200 Forage Harvester
MF 260 Forage Harvester
Fox 2310 Forage Harvester
Fox 6354 S/P Forage Harvester, 4 WD - Special Price!
MF 124 Baler
All Sizes New MF Corn Heads Now Available

NEW GT DRYERS NOW AVAILABLE

USED COMBINES:

All Diesels unless stated
MF 760 Turbo 6 1979
MF 760 V-8 1978
MF 750 Turbo 6 1978
MF 510 1977
JD 45 W/Grain Head
OL 525 w/2 row CH 11 Ft Grain Gas
NH 975 Combine
NH 1400 Combine
Used MF 540

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Used Tractors:

John Deere 4520, 4430, 4320, 4030, 1520, 2030 w/loader, 2510, Large Selection of 4010's, 3020, 3010, 60 with 3 point hitch. Farmall 1066, 966 with cab, 806, 826, 460, 450, M, H. Allis Chalmers 210, Ford 8N & 9N, 9000, 9660. MF 180, 175.

Used Combines

4400 gas Rotary screen, Massey Ferguson 300 with Quick Tach heads (sharp) 2, 3, 4, 6 row John Deere corn heads, 6 row IH head to fit 815 or 915. 105 corn special diesel engine, 4 row corn head.

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427 engine, 5 spd. trans., 2 spd. rear. 1971 International 1800 with new 14' Body & hoist. 1975 GMC, 5 sp., 2 sp. rear, 366 motor w/air brakes, new 16' body & hoist. 1977 GMC cab & chassis. Ford Louisville w/24' Schwoz roll back,

Used Plows & Disks:

1450 John Deere 7 Bottom. Large selection of John Deere 5, 6, & 7 Bottom. Athens 21' Hyd. Fold disk. IH 470 18' Disk. Large selection of smaller John Deere disks.

John Deere 950 15' Mulcher also 12' 950 mulcher. Brillion 18' spring tooth on rubber. Used year around cab for IH 766-1566. Large selection of Fox choppers & head. Good supply of Fox Parts. Fox 3RN corn head, NI 3RN head for chopper. New Fox flail attachment. New Gehl, Fox & Badger Equip. Gehl 95 mill. John Deere 1240 Plate & Plateless corn planters. Over stocked on lids for Hawk spreaders, exc. cond. JD model 2500 6 btm. 18" auto. reset plow. GSI grain bins and augers.

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16' forage wagon
Round Balers 5540 & 5580
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4600 baler w/thrower
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5045
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5050 orchard tractors
175
6080
6080
6060 4 wh drive
Discs 2300, 2500 & 2600 series
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Kubota
B 6100 w/4 wh drive
B 6100 HST 4 wh drive
B 6100 HST 2 wh drive
B 7100 HST 2 wh drive
L 345 4 wh drive + loaders, mowers, accessories

Bobcat
530
743
310

New Idea
802 SOLD ystem
Uni System Plats
Combine
Chopper
1 row pickers
2 row pickers
Elevators
Spreaders 213, SOLD 212, 243, 244, SOLD

Allied
GT grain dryer
Moore no till drill

USED MACHINERY

AC WD tractor
AC 185 w/loader, reconditioned
656 IH w/loader
885 diesel David Brown orchard tractor
4030 JD w/cab
2- Hydromac Skid Steer Loader
AC C combine w/4 row corn head & 13' grain head
Gleaner L combine w/15' grain hd, 4 row narrow corn hd
83 Massey combine grain platform w/2 heads
IH 440 baler w/thrower
Hesston 500 SP mower cond
NI 272 cutditioner
IH 990 mower cond
NH 1010 bale wagon
White 5 btm hyd reset plow
Oliver 4 btm hyd reset plow
MF 3 btm hyd reset plow
NH 717 forage harvester on 1 row hd
IH 555 forage harvester w/2 hds
237 JD mounted pickers
702 power unit and chopper and choice of heads
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737 Husking unit
731 4 row head
717 combine
713 platform
744 4 row head
NH 718 with new 1 row head or 2 row and pickup
AC 6' pull type rotary mower
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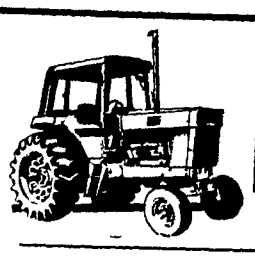
Taylorway 8' disc



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IHC 2400 Series B Utility Tractor w/570 hours
IHC 806 Diesel, no TA, fresh overhaul, WFE, 3 pt. $5,850.
NI 767 Super Chopper with pickup
Ford 4000 Gas
AC D17 Series 4 Tractor
IHC 574 Diesel Utility w/2250 Mount-O-Matic loader, 650 hours.
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Farmall 706 with 291 gas engine, 2350 Mount-O-matic loader
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Farmall 756 Gas Tractor, new motor
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IHC 815 Diesel Combine
Massey 510 Gas Combine

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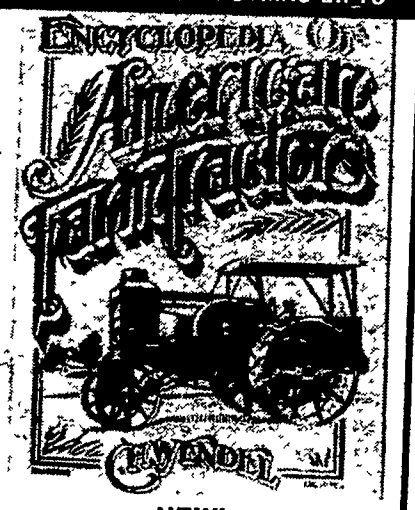

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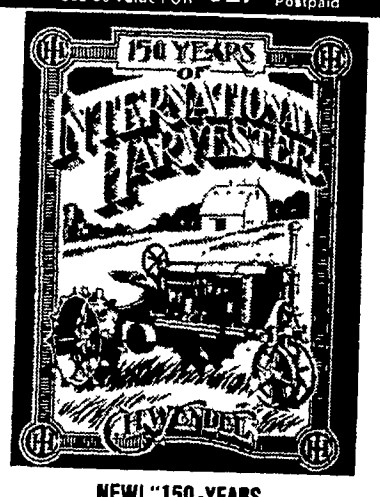

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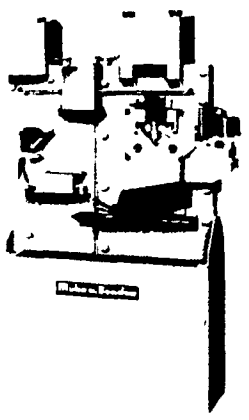

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MF 1085 Tractor
MF 205 Diesel Tractor w/Loader
MF 50 Tractor w/Loader
MF 40 Dsl Tractor and Loader
MF 35 Tractor
Ford 641 Tractor w/Loader & Bucket
Farmall Super H Tractor
JD MT Tractor
Ford 8N Tractor w/loader
NH 892 Fg Harvester
Fox 1000 Forage Harvester
NH 451 Mowers
(3) NH 36 Crop Chopper
NH 270 Baler w/thrower
NH 269 Baler w/thrower
NH 1010 Bale Wagon
MH 35 Combine
Brillion 12 field cultivator
NH 510 Manure Spreader
NI 213 Manure Spreader
AC Blower
AC 516 Plow

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MF 275 Tractor
MF 245 Tractor
MF 265 Tractor
MF 230 Diesel Tractor
MF 220 Tractor
MF 210 Dsl Tractor
(2) MF 205 Diesel Tractor
MF 50C w/Loader
MF 50C w/Loader
MF 50C w/Loader
MF 40B w/Cab
MF 40B w/Cab
MF 30B w/Cab
MF 30B Tractor Cab
MF 20C Tractor w/Loader
MF 124 Baler
MF 34A Loader
MF 34A Loader
MF-32 A Loader
MF 246 Loader
(2) MF 216 Loader
MF 300A Loader
MF 640 Corn Planter
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MF 520 Disc Harrow 12'
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AC 5050 FWD w/ldr.
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AC 6080
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IH 2606
Case 400
AC 175
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MF 260 Harvester w/Used 2 Row	$6100.00
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(2) Farmhand F7 Hay Rake	@ $1995.00
Farmhand M 25 Hay Rake	$975.00
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(2) Mott 3 pt 72" Flail Mower	@ $1500.00
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(6) Conveyor For Above	@ $950.00
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Fox 2000 Harvester 2 Row and Hay Pick Up	$1000.00
Hesston #10 Stacker	$3750.00
Brady 1680 Flail Chopper	$2900.00
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MF 1085 M P	$8200.00
Case 1370 Cab	$14,000.00
Case 990 w/Loader	$9500.00
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NW 71 Skid Steer	$8000.00
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White 2 150	$14,500 00
IHC 856	$8200.00

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MF 255 M P	$12,200.00
MF 255 8 Sp Hi Cl	$11,900 00
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MF 43 4 Row 30" (1)	@ $2500.00
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Dunham 14' Cultipacker	$1350 00
MF 428 4-38 Cultivator	$1250 00
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USED PLOWS & TILLAGE

IH 550 5 Btm Plow	$1500 00
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MM 6 16 Hyd Reset Plow	$2350 00
Glenco 9 Tooth Chisel Plow	$3700 00
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Farmall 200 Tractor w/ftr. Blade & 2B Plow
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Athens Disc
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JD 6600 Combine w/15' Platform & 444 Corn Head
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Woods 120 Offset Rotary Mower
NH 68 Baler w/ejector
JD 214 Baler w/thrower
JD 24T Baler w/ejector
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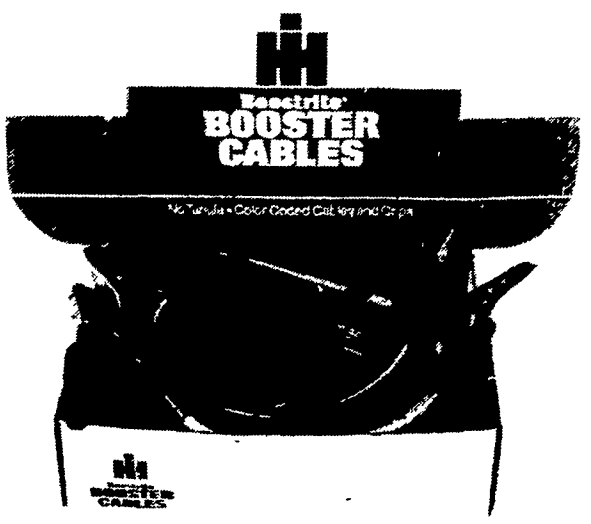

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Special $10.95
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Features of both sets:
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- Color coded no-tangle 12-ft. cables and clamps.
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80-amp battery charger, booster and tester

- Charges to 80 amps, boosts to 300 amps.
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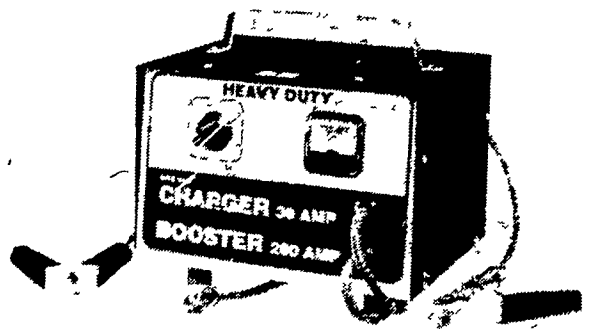

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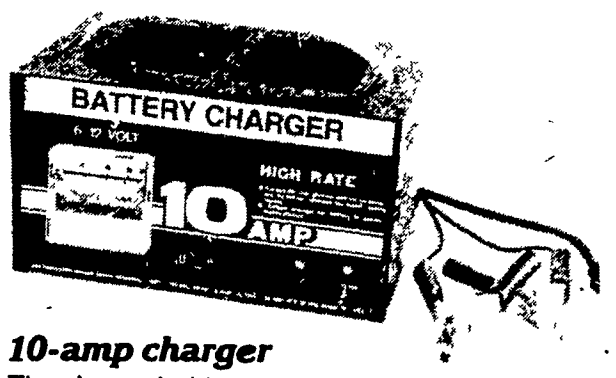

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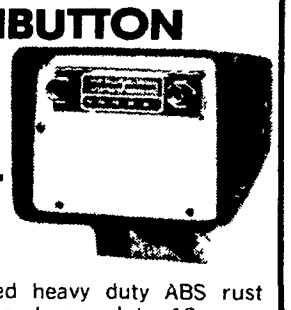
AM-FM PUSHBUTTON RADIO FENDER MOUNT



Features included heavy duty ABS rust resistant housing heavy duty 18 gauge inner housing AM FM radio bands solid state construction for instant play large 4x8 speaker complete hardware and instructions for easy installation Also included are accessory packages for external antenna application 1131 878 R1

Savings $22.55
SPECIAL $114.95

UTILITY LIGHT

Handy for hundreds of uses this light features directional swivel hook vented high heat poly propylene bulb guard safety switch button guards with built in three wire grounded outlet comfortable finger grips 25 ft cord 1131 503 R1

Savings $1 00
SPECIAL $9.95

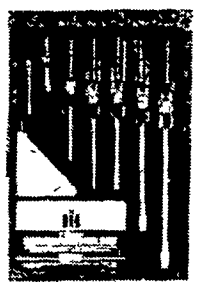
EXTENSION CORDS

First quality cords are engineered for safety and long life They have molded plugs the insulation is water and acid resistant and they remain flexible in cold weather 25 ft 3 wire flat cord 1131 498 R1

Savings $1 26
SPECIAL $4.69

50 ft , 3-wire round cord 1131 501 R1
Savings $2 00
SPECIAL $10.95

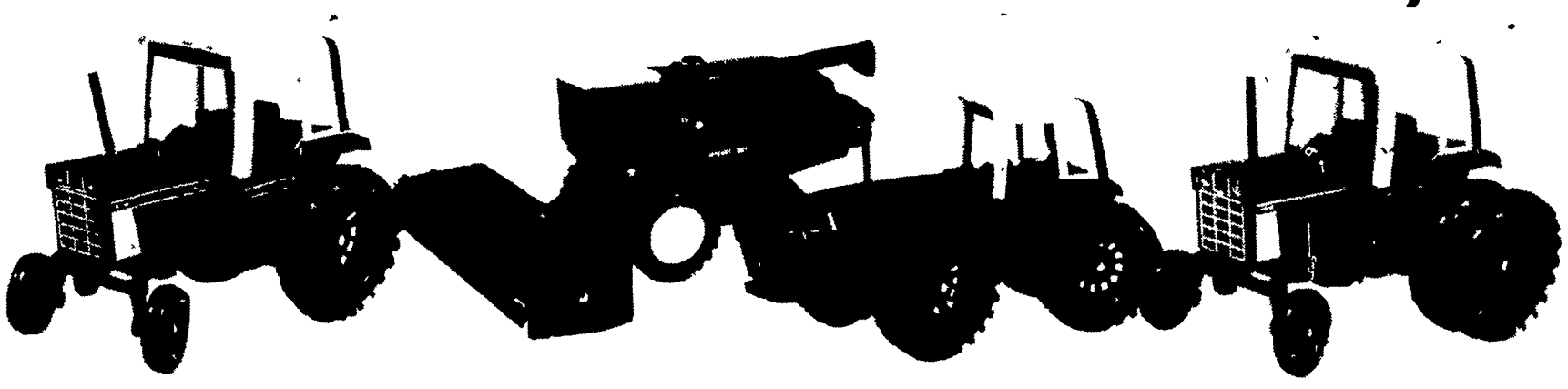
7-PIECE SCREWDRIVER SET



Includes 4" round blade 6' round blade 8" round blade No 1 Phillips No 2 Phillips stubby screw driver pocket screwdriver plastic tray 999 355 R1

Regular $21 24
(Total individual piece price)
SPECIAL $10.99
Savings $10 25

Fun Gifts For The Future Farmers In Your Family



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INTERCOURSE, PA 717-768-8231

United Parcel Service

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WHAT YOU NEED IS A KRAUSE ROCKFLEX DISC

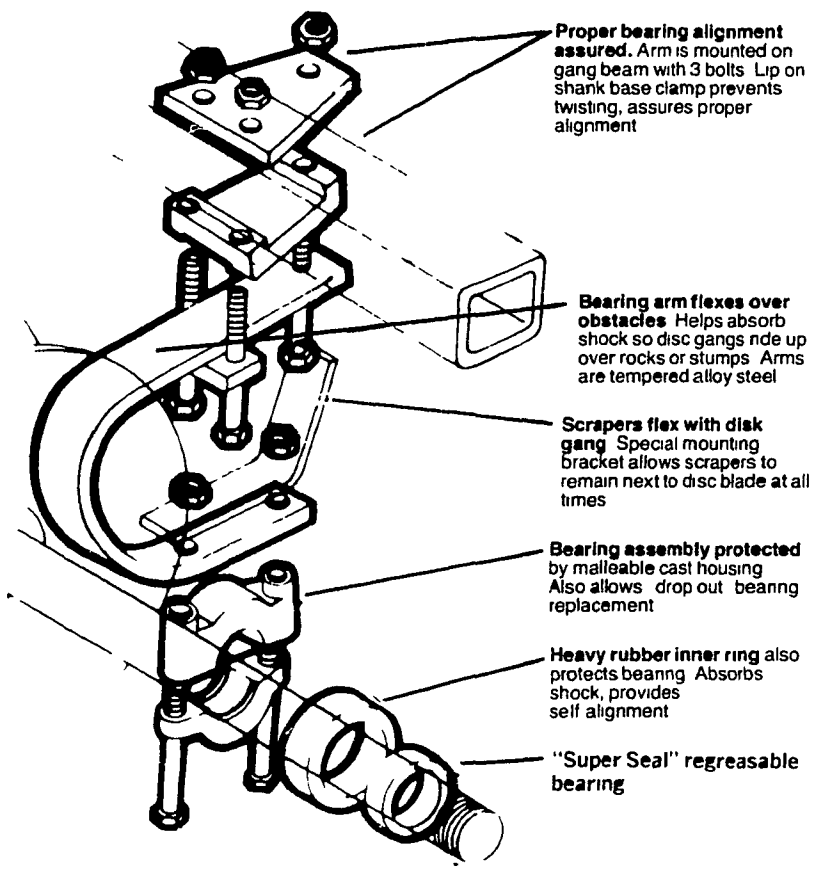
WHY?

BECAUSE OF KRAUSE SUPERIOR "ROCK-FLEX" BEARING ARM

AND HERE'S WHY IT MEANS GOOD NEWS FOR YOU!

Unique C-shaped bearing arm:

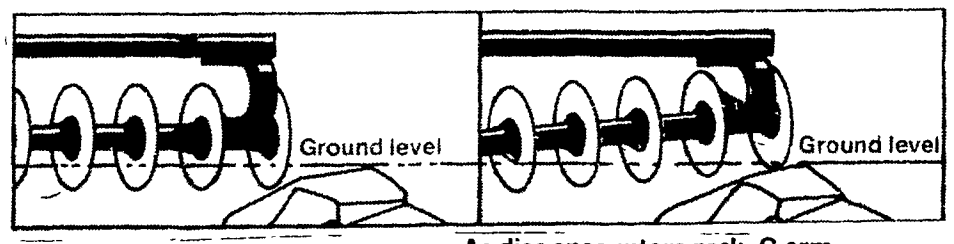
- Flexes over obstacles
- Protects disc blades from breakage
- Protects tie rods from bending
- Protects spools from breakage
- Absorbs shock — minimizes bearing wear
- Improves trash clearance


Proper bearing alignment assured. Arm is mounted on gang beam with 3 bolts Lip on shank base clamp prevents twisting, assures proper alignment
Bearing arm flexes over obstacles Helps absorb shock so disc gangs ride up over rocks or stumps Arms are tempered alloy steel
Scrapers flex with disk gang Special mounting bracket allows scrapers to remain next to disc blade at all times
Bearing assembly protected by malleable cast housing Also allows drop out bearing replacement
Heavy rubber inner ring also protects bearing Absorbs shock, provides self alignment
"Super Seal" regreasable bearing

DON'T WAIT UNTIL SPRING

- ALL MODELS IN STOCK NOW
- ALL AT 1981 SPRING PRICES
- THE INVENTORY WE HAVE NOW WILL BE ALL WE GET BEFORE THE SPRING TILLAGE SEASON.
- CALL TODAY FOR SPECIAL YEAR—END PRICES

A Krause innovation! The "Rock-Flex" bearing arm was invented by Krause in 1965.



Normal working depth.

As disc encounters rock, C-arm compresses, allowing gang to ride up over obstacle.

USED TRACTORS

6432 IH F1586D w/Cab
6561 IH F1566 w/Cab
6594 IH 4366 4WD
6580 IH F1086D w/Cab
6530 IH F1066D w/Cab
6452 IH F806D
6879 IH F686D, 986 Hours
6186 IH F656D Hydro
7073 IH 1574 Gas Utility
6998 IH 1574D Utility
6702 IH F544D Hydro
7080 IH F560G
6999 IH 1444 Diesel Utility
6687 IH Farmall H
7059 IH Farmall M
7058 Steiger ST-251 Cougar III, 326 Hours
6510 Ford 4000 Su Diesel Utility
6526 IH 125 C Crawler Loader
7009 Deere 4630 Duals & Cab, 1605 Hours, Powershift
6757 Deere Model A
7025 Deere 4620
7061 Case 430 Diesel
7027 Case 1170 w/Cab
7078 IH F1066D
7168 IH F1066D
7180 IH F856D w/Cab

WAIVER of FINANCE

UNTIL 9-1-82

ON ALL NEW & USED COMBINES

★ **WAIVER REBATE AVAILABLE ON ALL NEW COMBINES IF YOU DON'T TAKE WAIVER OF FINANCE**

RECONDITIONED COMBINES

6898 IH 715 Diesel Hydro, 1979, 300 Hours, Air, Monitor, Straw Chopper, 4 Row Narrow Cornhead
5373 MF 300 w/2 Row Cornhead 13' Platform
6098 NH 975 Gas w/2 Row Cornhead & 13' Platform
7098 1978 New Holland TR-70 780 Hours, Ford Diesel Engine, Gear Transmission, Air, Straw Chopper. 4 Row Narrow Cornhead & 15' Platform
7093 1979 New Holland TR-70 823 Hours, Ford Diesel Engine, Hydrostatic Transmission, Air, Straw Chopper, 4 Row Narrow Cornhead & 15' Platform
5742 1976 IH 915 Hydrostatic, Diesel, 1000 Hours
6978 1975 AC Gleaner FKS Diesel Engine, 438 Cornhead & 13' Platform

USED CORNHEADS

6836 IH 883, 8RN
5966 IH 844, 4RW
7064 IH 863, 6RN
6474 IH 844, 4RW
5817 IH 744, 4RW
9493 IH 744, 4RW
4147 IH 744, 4RW
4221 NH 4 Row Wide (Late Model)
3641 AC GKS 44
5887 AC 6 Row Narrow, L

USED GRAIN HEADS

7062 IH 820 Flex 17½'
6803 IH 820 Flex 15'
6899 IH 820 Flex 13'
5799 IH 810 Flex 15'
4639 IH 810 Flex 15'
7000 IH 810 16 5'
5524 IH 810 15'

USED DISK HARROWS

6033 A/C 4500 20' Offset Disk
5001 A/C 16' Disk
4969 Miller 12' Disk, Rebuilt
5393 MF 18' Offset Disk
6651 Deere 210 Disk 12'
6449 Krause 1428 Rock Flex 25'
6021 Krause 1928 Rock Flex 25'
5828 IH 470 21' Disk
5440 J D. KB Disc Harrow
5538 Pittsburgh 10' Disk w/cyl
6025 Dunham 12' Packer
6720 Sunflower H2 - 14' Disc offset
6798 IH 350 Disc
6660 IH 370 Disc
6533 Oliver 252 Disc
6918 IH 350, 12' Disc
6535 JD 310, 12'

ASK OUR SALESMEN ABOUT IH COMMODITY CASH BONUS ON ALL NEW IH TRACTORS & EQUIPMENT

ALL NEW & USED PRODUCTS BACKED BY **HOOBER PARTS & SERVICE**

RADIO CONTROLLED TRUCKS FOR BETTER SERVICE

C. B. HOOBER & SON INC.

INTERCOURSE, PA (717) 768-8231 AUTHORIZED UPS STATION

master charge. VISA

FARM EQUIPMENT

USED EQUIPMENT

TRACTORS:

- Waiver of Finance on Used Tractors To March 1, 1982

IH 1566 D, Cab & Air, 30 5x32 tires, new TA, Real Nice
JD 4520, 20 8x38 Radials, No Cab
IH 560 Gas, 400 Gas, 300 Gas
IH 706 Gas, Wide Front End
IH Super MTA
IH 350 High Utility
IH 350 Farmall
IH 544 Gas w/2000 Loader
MF 165 Diesel, $3900
White 2-85, $11,500
JD 1010 Gas w/Tricycle Front End, $1700
Oliver 1800 Gas, Wide Front End, over & under $4500
Farmall 300 3 ph, real nice

TILLAGE:

IH 760 14' Offset Disc
IH 475 13'5 Disc Harrow
Bush Hog 18' Folding Disc
Pittsburg 12' Disc
Oliver 251 9' Disc, Real Nice
IH 370, 350, 37, 35 In Various Sizes
JD 12' 3-Rank Chisel
JD 1600 12-shank Chisel Plow w/ga wheels
Oliver 4-Bot Semi-Mtd Plow
'nt 663 6-Row Cultivator

PLANTERS:

4 & 6 Row Cyclos, Field Ready!
JD FBB 17x7 Comb Single Disc, Good Shape!
JD 494-A, DD, 4-Row Planter
IH No 10 13x7 Plain Drill
IH No 10 16x7 Single Disc, Comb, Hyd Lift
IH No 10 16x7 Single Disc, Comb
Oliver 24x6 Combination Drill
Oliver 17x7 Combination Drill
MF 13x7 Comb Drill

COMBINES:

915 Combine, Low Hours, Like New
(1) 844 Cornhead
810 15' Floating Cutting Bar
- Waiver of Finance to 9/1/82

IH 403 w 4-Row Wide Head & 12 ft Grain Platform
IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M

HAY & FORAGE EQUIPMENT:

#8 Flail Chopper, Like New
JD 115 Forage Wagon
Gehl 800 Recutter Blower
Model BN98 Badger Blower
Gehl FBB 88 Blower
38 JD Chopper
550 IH Chopper
36 NH Flail Chopper
33 NH Flail Chopper
(2) 990 Int. Mower Cond, 9 ft.
1014 Hesston Mower Cond.
420T Hesston S.P
NH 479 Haybine
NH 276 Baler with Thrower, Real Nice!
MF DEO-20 3 pt. Hitch, 5 Bar Rake

ERB & HENRY EQUIP., INC.
New Berlinville, PA 19545
Ph (215) 367-2169
Daily 7 to 5
Sat 7 to 1

FARM EQUIPMENT

MF Massey Ferguson

FIELD QUEEN FORAGE HARVESTERS

GOOD USED EQUIPMENT

Tractors
AC D17 Diesel
AC D17 Gas
MF 135 Gas
MF 265 Diesel
MF 1080 Cab
MF 1100 Cab
MF 85 gas
Oliver 660 gas
Farmall 450 diesel

Forage Harvesters
Gehl 600 w/grinder
JD 35 1-row
Hesston 2000

Combines
JD 45 cab, 2 row
MF 300, cab, 1976
JD 3300 diesel cab

Mower Conditioners
Hesston 310 SP
1 Hesston PT10
Hesston 1014 10'
Hesston 1070

Miscellaneous
Gehl 120 Mixall
Shaver 12" digger
Shaver post driver

Hay Harvesting
MF 3 pt. rake
MF 12 w/thrower
MF 37 rake
MF 124 baler w/thrower

Harvesting
NI 324 w/329 sheller
NI 10 picker

Longenecker's, Inc.
At Clappertown Williamsburg, PA
814-793-3731

Ford Tractors Equipment

TRACTORS
New Ford 4600 SU
Ford 2600, cab, broom
Ford 3600 diesel
Ford 5600 canopy
Ford 5600
Ford WD
Ford 6700 diesel dual power
2000 PS
Ford 5000 diesel
Ford 4000 8 sp
Ford 3000
Ford 8000
Ford 850
Ford 3000 gas
Ford 8N
Ford Jubilee
Ford 971
Ford Compact Loader
Ford 340

INDUSTRIAL EQUIPMENT
Ford 4500 TLB
Wheel Trencher
Davis trencher
Big Dipper loader
Ford 4000 w/loader
Marshall Forklift

MISC. EQUIPMENT
IH truck 1700
IH truck 1800
Chevrolet camper
Playmor camper
1975 Granada, auto trans
Oldsmobile Cutlass auto trans
Ford Mustang, 3 sp
1972 Audi
1971 Chevrolet Impala
White cab over diesel

STRALEY FARM SUPPLY
1760 East Canal Road
Dover, PA 17315
717-292-2631
717-292-4443

NEW COMBINES

JD 6620 Hydrostatic Drive, corn soybean combine, fully equipped
JD 444 Corn Head
JD 215 Flexible Platform

USED COMBINES

1978 AC KII Combine w/12' Grain Head and Robot Head Controls Excellent Condition
Waiver of Finance Available
$22,500

AC G Combine w/13' platform, MECHANICS SPECIAL (SOLD) 2000
JD 244 Corn Head

USED EQUIPMENT

Farmall C Tractor	$600
AC 12' Disk	$350
JD 4 Row Cultivator	$750
JD 1300 Planter, 6 Row	$500
IH Drill 16 Tubes	$500
NH 270 Baler	$500
IH 37 Baler	$500
Gehl 600 Forage Harvester	$1500
Gehl Snapper Head	$1500
IH 350 Forage Harvester	$300
JD 35 Forage Harvester	$1000
JD 38 Forage Harvester	$1500
Gehl 72C Flail Chopper	$1200

SPERRY NEW HOLLAND
FREE FINANCING ON SOME ITEMS
I. G. SALES
DeLAVAL JAMESWAY
Silverdale, PA 18962
215-257-5135
JOHN DEERE
Quonset Buildings

FARM EQUIPMENT

SPERRY NEW HOLLAND

NEW HOLLAND BARGAIN OF THE MONTH

L-35 Skid Loader, rental unit under 400 hrs. full 12 mo. warranty
$9900

M & R EQUIPMENT, INC.
New Park, PA
717-993-2511
717-246-1972

RECONDITIONED EQUIPMENT FOR SALE

JD KBA 20 and 24 Blade Discs
JD 9' and 12' Spring Harrows
Oliver 12" and 14" Plows
New Idea 751 and 752 Crimpers
MC 1 row cultivators
Garden Shovel Harrows
JD 999 Corn Planters with or without plateless units
Ground Drive Fertilizer Spreader

Plateless Units Mounted on Any Kind of Corn Planters

New bale boxes tobacco presses
9' Cultipackers
1 - Real Good Lely Fertilizer Spreader available
New VICONS
950 and 1400 latest model (bigger sizes available) Pendulum action fertilizer spreaders, 3 angle spreading width up to 45 ft.; ground drive cart for spreaders with clutch; gas or diesel engine driven carts, PTO 3 point hitch.
Trailer carts for tractors without 3 point.
Special prices on all equipment thru Dec.

20" 7 gauge disc blades
List $17.50
SPECIAL **$11.85**

For hauling, information and prices
Call 717-529-2717
General Welding Repairs

SAM K. ZOOK
Box 89 along Coopers Dr.
Kirkwood, Pa. 17536

Hollinger
tractor co.

749 Rothsville Rd. Lititz, Pa. 17543
717-626-1120 or
Lee Dull (Res) 717-949-3451

CRAWLER LOADERS

Cat 955 12A	$6,500
Cat 933G Sharp	$7,500
TD9 Real Good	$5,500
AC HD 6	$4,500
JD 440 Dsl, sharp,	$5,500
JD 420 Gas, as is, needs work	$2,500

BACKHOES

Ford 4500 Gas Backhoe w/Loader Sharp	$6,500

CRAWLER DOZERS

HD11B w/blade	$7,500
JD 350 6 way	$6,500

TRAILERS

New General 3 axle 9 ton Tag Along	$4,850
Patsco 25 ton drop deck, tandem axle	$4,500
Drop Deck, single axle, good	$2,000
1978 General 10 ton w/tandem axles, like new	$6,000
Trailmobile 25 ton Lowboy Trailer Tandem Axle	$6,500

TRUCKS

1972 Ford 10 wheeler dump diesel	9,000
B-61 Mack Dump Truck	$2,500
Int 1973 2070A Truck Tractor Diesel Shapr	$6,500
1967 10 wheeler dump w/238 Det	$7,500

RUBBER TIRED PAYLOADERS

Hough 30	$6,500

ROLLERS

Rosco, Vibratory	$2,500
Rosco 1 ton	$1,500

MISCELLANEOUS

(2) Winch to put on truck tractor	Make Offer
Winch to fit JD 350	$1,850
Riding Sweeper	$950

FARM EQUIPMENT

NEW SPECIALS

519 NH manure spreader
310 NH baler
165 bu. and 230 bu. gravity flow boxes
6 ton wagon chassis

USED SPECIALS

717 NH forage harvester w/2 row corn head and pick-up head
MM 2 row picker sheller
977 Pasqualli tractor w/3 pt. and loader
1050 Bolens tractor w/42" mower

Ask for special prices on items listed above.

Ford Tractors Equipment

EDWARDS FARM EQUIPMENT
291 W Moorestown Road
Route 512 At Clearfield,
Nazareth, Pa 18064
Phone 1 (215) 759-0240

NEW TRACTORS

JD 2940
JD 4040
JD 4440
JD 4640

NEW MACHINERY

1 - Century 300 gal sprayer	
JD 445 Spreaders N/T	$3975
1 - JD 660 Spreader N/T	$4500
2 - JD 680 Spreaders N/T	each $8595
JD 235 17' Disc	
JD 235 19' Disc	
JD 1207 Mower Conditioner	
JD 1209 Mower Conditioner	
JD 950 15' Roller Harrow	
JD 1250 Plow 3x16	$1800 N/T
JD 1250 Plow 4x16	$2450.95
3- JD 336 Spring Tooth Harrows No Trade	each $995

USED MACHINERY

1974 IH 100 Hydro Tractor Motor overhauled March 1981	
2-Chisholm Rider Bean Harvesters w/656 IHC Tractor	each $6,000
IHC 400 4R Planter	$3500
IHC 400 6R Planter	$3500
IH 56 4 Row Planter	
JD 145 Plow, 5B 16"	$1800
JD 24T Baler w/#30 Thrower	$2725
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine	
JD 800 SP Windrower	$3500

JOHN DEERE

WALTER'S SALES AND SERVICE
RD 2 Mifflinburg, Pa.
717-966-3778
JD Agricultural Dealer and CP

MACHINES IN STOCK WHICH YOU CAN PURCHASE FOR END-OF-YEAR TAX SAVINGS

USED TRACTORS

JD 4040 90-Hp, PS, 11 Hrs, Like New
JD 50 with Cultivator
JD A, Wide Front
Farmall MD Tri Front - Good
Ford 9N - Runs Good, Newly Painted

USED EQUIPMENT

JD 148 Ldr w/84" Bucket, Tractor Hyds, off 4040 JD Demo - $2,000
JD 4400 Combine, Loaded, Excellent Cond, with All Extras, Choice of Heads - $18,000
JD 7000 4-Row & 6-Row Planters, Fully Equipped
NH 469 Haybines
2-JD 346 Wire Tie Balers w/Throwers
NH 275 Baler w/Thrower
NH 283T Baler w/Chute
Lilliston, Woods Rotary Cutters
Snowmobiles - Many to choose from

NEW EQUIP. IN STOCK

JD 4420 Combine, 4 Row Cornhead & 13' Flex
2 Wheel & 4 Wheel Drive Tractors
Combines, Balers, Disks, Rakes, Choppers, and Skid Steer Loader!
Assorted 3 pt. 6 ft. & 7 ft Blades
Polaris & John Deere Snowmobiles

JOHN DEERE
SPERRY NEW HOLLAND

- Full Line of NH & JD Equipment

Extended Waiver of Interest And Price Protection Available on Most new Machines!

KERMIT K. KISTLER, INC.
Rt. 143, Lynnport, PA 18066
PH: 215-298-2011

Combines, Tractors and Equipment Just Arrived on our Lot.

(Combines) New JD 4420 fully equipt. w/213 grain & 443 C.H. list for $71,400. our price $56,900. MF 750 Hydra D w/air, purchased new in '79, fully equipt. w/grain & 1144CH, real N-I-C-E. 1976 Gleaner FD w/air and both heads (1 local owner); JD 6600 Side Hill turbo, hydro, floating cutter bar, and choice of corn heads, real nice; 1973 Int. 915 gas w/grain head nice, under $10,000. White 8900 Combine used 90 hrs. (SOLD) like new. 1976 Gleaner K w/cab and grain never used in corn, MF 510D w/rear wheel drive w/Quick tach grain and 44 Lo Profile corn head. 1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head, JD 6600 D w/air & 13 Ft. grain. JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain and 844 C.H., Int. 810-15 ft. floating cutter bar, Oliver 25 w/cab.

MF 760 diesel hydra with grain and 6 row $19,750. New J.D. 7720 fully (SOLD) equipped; Int. 1440 axial Flow w/520 hrs.; Int. 1977-915 w/grain and 863 C.H.; 1975 MF 510 hydra. w/grain and corn head. Gleaner M Diesel late model w/grain and A630 C.H. MF 300 combine w/cab and grain for $2895.00. Late model Int. 303 w/cab.

N.I. 702 D w/767 Super Chopper. N.I. 702 D w/husking bed and 3 row C.H., NI 702 w/729 A sheller, 702 D w/rebuilt motor. JD 643, 243, 444 C.H.; NI 325 w/12 roll 324 w/12 roll; New Farmall 986 w/Rops $18,800; New MF 2705 cab, air, $27,000; Used Int. 4386 4 whl. (SOLD) drive w/duals, New N.H. 489 haybine; New N.H. 315 Baler; N.H. 268 Baler w/thrower; N.H. 68 balers w/throwers $775 ea. or make offer; NI 323 one row (SOLD) used 2 years. NI 323 one row $2475.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, new JD 4240 C.A. Q.R., Oliver 1855 w/factory cab. Farmall 560 D WF, Used Farmall 1086 w/R.G., Canopy, White 2-105 w/roll guard, ACXT190 real nice, Ford 4000D w/1400 hrs. excl., M.F. 285D w/R.G., M.F. 165 Tri D. N.H. 1010 Bale Stack Wagon, 3 new Bush Hog Chisel plows 9 & 11 ft. all w/gauge wheels; Used JD 2640. Corn Heads. Gleaner K330, FL430, E330, A430 for F or F2. MF 421.

NEW FARMALLS. New 986 C.A. new 3388 2+2, New JD 4240 w/Roll Guard & Q.R. $24,900; New 4040 w/Power Shift and R.G. for $23,950, JD 3020 w/Diff Lock; JD 2020, Used Farmall 886 w/R.G. real nice, 1066 w/red cab, Farmall 706 w/310 diesel, 560 tri D. F.H., Farmall 560D w/2000 loader, Farmall 1256 w/cab & air, Farmall 504 Utility gas w/3 pt., 1970 JD 4020 W.F., 2 New Haybines, New Gehl 1090 9' for $4450, New NI 299 for $4250, (3) real nice balers, Int. 445 baler w/thrower just like a new one $3500 less than dealer cost. NH 320 w/thrower, used 1 season. NH 277 w/thrower, JD 24T w/#30 kicker

Corn Heads JD 643, 444, 344, 435N, 313 for 45C, 334, 235, Massey Ferguson 44, 63, 43, 24, 33, 222, 422, Gleaner G435 LA38, F430, F438, A430, E240, K238, F335, F330, K330, (SOLD) G630 N.H. 4-row quick tach, Int. 864, 844, 843, 744, 743, 227, NI 4-row 40" heads, Case 4 row 40", MF 43 Lo Profile, Int. 744 for 715, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444, $7350. Just Rec. - New JD 643 for $10,800, used White 704N, 706N C.H. used JD 444 for $3500.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 5020 original w/dual wheels; nicer JD 2840 like new, JD 2940 w/front wheel drive and cab, used 360 hrs. for $18,800. JD 4430 CA Quad w/long axles for duals; JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4520 w/triple hyd. for 11,900. Nice, JD 4320 for $11,850. Farmall used 986 cab and air, 1566 cab and air w/new T.A., for $18,000. Farmall 706 gas w/TA and 3 pt. original real good for $4500. Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

CORN PICKERS - (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. JD 3800 2 row chopper

John Deere 8630-4 Wh. Drive w/3 pt. PTO & Dual Wheels, real nice, also AC #2600 - 28 ft. Hyd. wing disk, like new, J.D. 7520 w/3 pt. & Dual Wheels.

(Tractors w/Loaders), JD 4020 w/58 Loader, Farmall 1206 w/cab.

Case 930 CK w/5X Plow. New JD 4440 cab, air, power shift. J.D. 4010 gas. JD 4020 gas $4900. JD 4430 C.A. QR, 1970 JD 4020 w/roll guard; JD 4320 w/cab, 2-JD 1970 4020 w/dual hyd., 1970 JD 4020 Power Shift & Dual Hyd., Farmall 856 - nice.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., used 686 w/cab & air, 1566 w/cab, 766 D; 1466 w/cab.

Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Gleaner E Combine w/cab, grain and corn head; Farmall 1206, 460 Gas w/F.H., Farmall, 756 gas, 560, 856 w/front wheel drive, Farmall Hi Crop-656 diesel, 756, 300. Cub Loboy w/mower, Cub w/mower and F.H.

HARVESTERS. New Int. 720 w/2 row, JD 38 w/2 row pickup N.H. 770 w/2 row, J.D. 38 Chopper w/2 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Fox 2 row snapper head. JD 1 row snapper head like new.

ALLIS CHALMERS 7080 w/cab & duals $18,900, 7040 w/cab, power shift like new, AC 200 w/cab & air, AC 185 - $10,400, low hrs., 210 w/new 20.8x38 tires.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900. New JD 4440 cab, air Quad 34,500, used JD 4430 - 4-post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, 1972 JD 4000 D P.S. 1 local owner sharp. 4010D w/WF, 730D, 720 D. 60 w//3 pt., 3010 gas utility, 520. JD 3020 P.S. Gas JD 4030 w/R.G. and Quad. 1970 3020 gas side console power shift w/48 loader, JD A, JD 480A Forklift (SOLD).

FARMALLS: used 1586 w/cab fully eq. w/duals, used 500 hrs. like new, 1586 w/cab, fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new; used 1086 w/Rops, 966 black stripe w/roll guard, 856 w/3 pt. and 38" tires, 1206, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, 766, 1456, 806, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. 504 WF Int. 674, Int. 574, 460 Dsl. TA, nice, $2275, 400 w/P.S. & F.H., Super C w/cult. and 7 ft. mower, Ford 6000 tri D for $1975.00.

New White 2-105 w/cab $22,850. Oliver 1755 w/cab and air; Oliver 1650 w/R.G.; 1750 w/over and under, 1800 D W.F., 1855, 1850 w/over and under, Ford 2000 w/loader, Ford 4000 Tri. D

MASSEY FERGUSON - 1977 - 1135 C.A. low hrs. (SOLD) for $14,000.00, 1130D, Super 90D for $3400.00.

MF 165D w/heavy duty loader. MF 175D, sharp.

(Case) New 2090 Cab & Air, power shift $23,950; 1977 Case 1070 power shift w/cab enclosure real nice, 1975 Case 970 w/4 post, P.S.,

Case 1370 - P.S., Case 970 w/P.S. Oliver 1955 & 1850 D. w/over & under shift 1950T w/cab, 2050, 1855 w/20:8 tires, 1650, Ford 9600 diesel w/dual power and dual wheels, Ford 6600 w/cab, like new, 6000 Commander, D Ford 4000 MM S670 diesel.

COMBINES - JD 7700 Diesel w/Fire Damaged cab. N.I. Demo 768 WN 3 row head, N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, JD 216 & 213 flex heads

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 955 crawler loader, Case 850 D dozer w/hydrl. blade, Michigan 55B Diesel Payloader, Case 530D. L & B - $4475, Skid Loaders - Bobcat Hydro 720, 700. Ford CL40 Skid Loader, NH L35.

CORN PLANTERS - New & Used 7000 JD 4 row w/Inst, Used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, JD 1240 plateless w/Inst. XX disk openers in exc. cond. new White 5100 four row planter fully eq. used MF 4 row planter. Bearcat 950 Grinder Mixer used twice, like new. Used Int. 1250 Gr. Mixer w/elect. scales - nice, N.H. 354 grinder mixer real nice $3500.00; Int. 56 Blower for $485.00. Hesston #10 stackhand wagon, N.I. 325 picker w/sheller, NI 324 w/super sheller, NH 36 Flail Chopper like new. New Brillion 22' and 25' fold cultimulchers. Call for old prices.

JD #230 hydraulic fold wing disk; JD 229 hydraulic fold wing disk; White 252 wing disk. Used JD 453 bean head.

New Case 8 row hydraulic fold cult. used N.I. 272 7 ft cut/ditioner, JD #930 3 pt. R.H. JD #350 PTO drive 40 ft. elevator. Badger 1500 gal. liquid (SOLD) tank spreader, used haybines, JD 1209, 1207, Hesston PT10, Case 550, NH 479, 460, Grim Hay Tedder.

(New) NH 310 Baler damaged price $1400.00 JD 17 disk grain drill, JD 640 rake w/front wheel.

Used Int. 400-6 row cyclo w/Inst. and Monitor for $1800; White 6 row w/no til fert. fill, inst. and monitor, (3 offset Disks) J.D. #360 12 ft., Wilbeck 12' offset like new, Miller 14 ft. offset. JD Disks #210. Int. #480-22 ft. Wing Disk, Oliver 3 ft. heavy blade disk.

PLOWS - 2 Int. 6X spring reset, Int. 7X on land reset, 5X reset, John Deere #2600; 5X spring reset; JD #350-4X reset like new, JD 7X on land hydrl. reset, Ford 5x18 spring reset.

JD, Int. 5, 6, 7 trip New Bush Hog 12 ft. pull type chisel plow. JD #1600 - 16 pt. pull chisel plow, JD 12 ft. 3 pt. chisel plow; New White 14 ft. field cult., Kawanee 22 ft. Wing Disk Kawanee 15 ft. Roller Harrow.

LOADERS — used JD 58 Used Int. 2350, MF loader for 1105, Int. Fast hitch 3 pt. adapters, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

(Combines for Parts) JD 7700D, 105, 95 gas, Int. 715D, MF 510.

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Ford 9600, 8000, 5000, 4000, 3000, 2000 w/loader, NAA w/loader, (4)-8N

JD (2)-4020, (2)-3020, (2)-620

IHC (2)-544D, (3)-574 w/loader, 560 D, 504, 424D w/loader, B 275D, 340, 240, 230, 140, Super MTA, Super M, Super C, Super A, Super AV, 4 cubs

Case (2)-430

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NH 25, 27, 28

JD Kools & AC

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MF 12

Hesston 4500

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NI 323 1 row, (4)-NI 325 2 row narrow, (2)-324 2 row wide, 8 & 12 roll husking beds. 314 & 329 Super Sheller attachments.

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New Starline 200 bu. tanks at old prices.

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JD LA
JD 520
JD 720
JD 3010
JD 4020
Farmall H, M, MD
AC C, WC, WD
Ford 8N
Farmhand Chuck Wagon
NH #6 Chuck Wagon
JD KBA Disc
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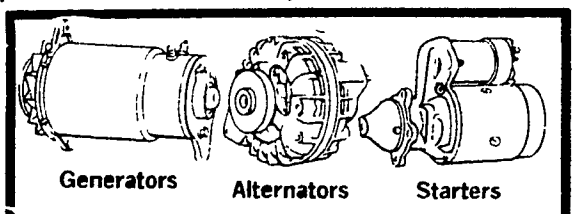

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- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- 1845 Diesel Uni Loader

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- MF 12 Ft Spring Tooth Harrow
- Oliver 2 Bot Trailer Plows
- JD 10 Cultipacker
- Used Cultipacker
- Brady Chisel Plow

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- NI Unisystem 701 Tractor
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1 Row Corn picker
- NI No 10 1 Row Corn picker
- Int Mtd Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No 25 Harvester
- Case 300 Harvester
- Case V-12 Shredder
- JD Chopper
- NH 717 Harvester w/Pickup

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- Hesston 1014 12 Windrower
- Hesston PT 10
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- 3 pt Hookup Mower
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- JD Hay Rake
- NI Hay Rake
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JD 55 w/grain & corn heads
JD 40 w/grain & corn heads
JD 45 w/grain & corn heads
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NH 975 w/grain & corn heads
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Ferguson 30 w/ Snow Blade
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IH F504
IH F560 Gas
IH F1066 D
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MH Pony Outfit with Hydraulics
Ford 8N
Oliver 88D

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IH 531 3F
IH 700 6F Auto Reset
IH No. 8 Trailing
3F Trailing Plow
Fast Hitch 2 way
MF 3F 16" Mounted
MF 5F 14" Mounted
JD 3F 16" Mounted
JD 4F 14"
Oliver Chisel Plow
JD F125 3F
Ford 5F 18"

Tillage
IH 122 Mtd Disk Harrow
Dunham 10 Ft. Cultipacker
Lely Power Harrow
MF 3 pt. Disk Harrow
McConnel 20' Spring Tooth Harrow with Transport
JD 10 Ft Roller Harrow

Combines & Cornheads
IH 127
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head on 403
IH 844 Corn Head

Hay Machines
NI 402 Rake
IH 430 Baler
IH 46 Baler w/Thrower
IH 37 w/thrower
IH 420 Baler w/Thrower
IH 10 Bale Thrower
IH 100 Mower
IH 115 Mower
IH 990 9 Ft Mower Conditioner
IH 1190 Mower Conditioner 9 Ft
M C Rotary Scythe
Kubota 60" Mower
JD 2 pt Mower
JD Hay Tedder
Myers Hay Crusher
NI Mower
NH 67 Baler
JD 214 Baler

Pickers
IH 2 ME
IH 2 MHD
NI 2-Row Mounted
NI No 10 Cornpicker

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IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt Cultivator
IH 251, 2 Row Mtd.
IH 400 Cyclo 4 Row
JD 494 Planter
JD 13x7 Drill
JD FB 177B Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter

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IH 16 Harvester w/2 Heads
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 2 Row Wide Row Crop Units
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH 5 Flail Chopper
IH Hay Pickup 550/650
AC 780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
IH 56 Blower
NH 25 Blower
Kools Blower

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IH 20 Loader For Super C
IH 85 riding mower
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Snow Blowers For Cadets
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Woods RB7 Blade
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NEW JD 4040 THRU 8640 TRACTORS NO FINANCE CHARGE TILL JUNE 1, 1982

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IH 656 Hydro.
Case 885, 500 hrs.
JD 2840 w/Loader
JD 2840
JD 720D w/337 Corn Picker

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JD 7000 w/No-Till
JD 1240
JD 1260
JD 494A

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NH 1895 Sp Fg. Harvester w/3 heads
JD 35 Fg. Harvester w/N2 head
JD 3800 Forage Harvester w/2RN
Fox 2200 Fg. Harv. w/2 heads
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
NI Side Rake
NH 1010 Auto Bale Wagon
NH 273, 271 & 269 Balers w/Throwers
OMC 9' Mower Cond.
JD 1207 Mower Cond.
JD Hay Crimper
NH 1469 SP Haybine, w/Ford Water Cooled engine
NH 495 Haybine
NH 469 Haybines
Hesston 1010 Swing Tongue.
JD 216 Fg. Wagon

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15 HP 3 phase elec. Motor
JD 34 Spreader w/ Hydraulic endgate
Davis Scat Back Loader

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JD 7000 4R & 6R Conservation Corn Planters

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JD 4040 4 Post, QR
JD 2440
JD 2240

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NH 489 & 495 Haybines
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4-504F baler, special price
1-504G baler, special price
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1-500 gpm irrigation system, mobile equip., soft hose, ½ price - $7400

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1-Tye 3 pt. no till drill
1-Bale Buster for mulching lg. round bales

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2-3 pt. 2-engine drive
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1-1450 lb. fert. spreader, $780

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1-30 hp, 2 buckets, $8000
1-23 hp, 2 buckets, $6200

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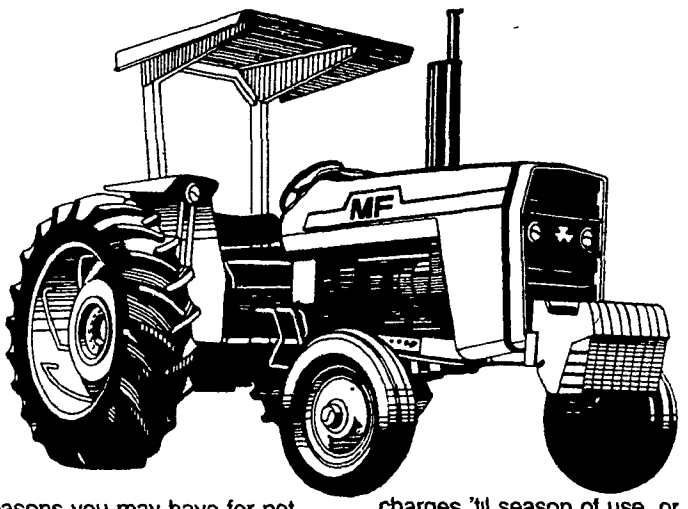

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Don't wait. Come in and buy now, because these savings apply only to new equipment purchased in December — just in time for year-end tax credits, too

Choice of financing

If you buy now and qualify for financing through Massey-Ferguson, we'll make your deal even sweeter, with a waiver of finance charges 'til season of use, or 13 9% annual percentage rate financing for two years It's your choice See us now for all the details

Waiver dates:

Tractors, implements, industrial machines	March 1, 1982
Hay tools	May 1, 1982
Grain combines	August 1, 1982
Corn/bean combines	September 1, 1982

Used equipment savings too.

Waiver of finance charges and 13.9% financing options are also available to qualified buyers through MF on **used** machinery and equipment on our lot

Hurry! These price rollback savings are good only during December 1981.

MF Massey Ferguson

Now more than ever, Massey makes sense.

PETERMAN FARM EQUIPMENT, INC.

225 York Rd., Carlisle, PA 17013
717-249-5338

FARM EQUIPMENT

For Sale - Massey Ferguson 265 diesel, high clearance. 2300 hrs, good rubber, 717-733-6717

For Sale - JD 420 w/wide front AC D17, wide front Farmall 450, 400, 300, H & C NH 56 rake, NH 268 baler, all field ready 215-562-4464

FARM EQUIPMENT

IH 706 Gas 3 pt new rubber, JD 494A corn planter, Brillion 4 Row high speed tool Bar cultivator, MF 7' 3 pt scraper blade, power angle snow plow for Ford pick-up All this equipment in very good cond Make offer. York County 717-993-6505

FARM EQUIPMENT

970 Case w/enclosure and heater, like new, low hours, $16,000 930 Case Comfort King diesel w/cab, $6,500 995/6 David Brown, $7,500 995/6 David Brown, $6,500 1200 David Brown, $5,500 2600 Ford Diesel w/front loader, new cond, $7,500 717-435-2921.

NEW EQUIPMENT

See the New Gehl Skid Steer Loaders
* Model 3510
* Model 4600 Diesel

Wood Calf Hutches Available

Hesston Model 1520 200 gallon Manure Spreader

MANURE SPREADERS
NI 245 10 Ton
NI 244 8.5 Ton
NI 243 6.5 Ton

NI #456 Round Baler (Demo) Available for Rental

In Stock
Tye Pull Type Pasture Pleaser. A conveniently sized tool for minimum tillage seeding of legumes, grasses, small grains or soybeans in stubble sod, permanent or improved pasture.

SPECIAL
$195.00
While Supply Lasts
16" Partner Chain Saws w/case & 4 cans 2 cycle oil

USED EQUIPMENT

USED NI SPREADERS
12 A Ground Drive
(3) #212-146 bu.
(5) #213-176 bu.
(4) #214-206 bu.
(1) #218-300 bu. w/top beater & hyd. gate

USED SPREADERS
(1) IH 275 bu. tandem axle
(1) MF 160 bu.
(1) NH #510 165 bu.
(1) NH #365 tank, left hand unload
(1) Cobey 130 bu. like new
(1) 213 w/top btr. & Hyd. gate, very good cond.

New Wic Straw Choppers

New Ber-Vac
3 pt. 2 stage Blower
Special Price
Big Capacity

See The New Wickless Blue Kerosene Heater - We have them in stock

Danhuser 3 pt. Log Splitters

USED EQUIPMENT
Oliver Super 77 Tractor
Dion 26 btr. Fg. Wagon
28' King Wyse Elevator with motor
NI #198 60' 8" Transport PTO Auger
JD #15 Flail Chopper
Owatonna 120 bu. Grinder-Mixer
NI 325 NR Picker w/329 Super Sheller
JD 3600, 1000 RPM PTO Harvester w/2RN Corn Head and Hay Pickup
Ford 3 pt. 9 Tooth Chisel Plow w/gauge wheels
Brillion 3 pt. 11 Tooth Chisel Plow, like new

Model F773 Hvy. Duty Ford Loader w/8' bucket & V Snow Blade w/ brackets to fit Ford 8000 Tractor

-For Sale-
Used Corn Crib to be removed from our premises 1500 bu. cap. Give us an offer.

UMBERGER'S OF FONTANA

FEED - GRAIN - FARM EQUIPMENT

Dial 717-867-5161 or 717-867-2613
RD#4 (Fontana) - Box 545 LEBANON, PA 17042

Also New Idea, Hesston, Gehl, Brillion, & Bush Hog Dealers

We Carry a Complete Line of Farm & Home Supplies

BINKLEY & HURST BROS., INC.

CASH & CARRY DISCOUNT DAYS

ON PARTS & MACHINERY

BIGGER & BETTER THEN EVER

Coming The Week Of
DECEMBER 14 - 24

Watch For Details In The Dec. 12 Issue of Lancaster Farming

Refreshments Will Be Served

BINKLEY & HURST BROS., INC.

133 Rothsville Station Rd.
Lititz, PA 17543
Phone: 717-626-4705

FARM EQUIPMENT

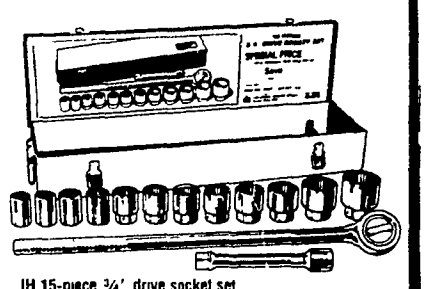
PARTS VALUE OF THE MONTH

Erb & Henry's Parts Mart Specials!

Christmas Bell Ringer Sale!

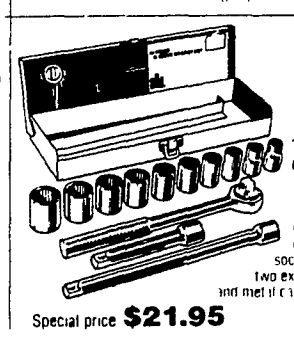
Give Dad the useful, practical gift of quality IH tools

24 piece 3/8" drive socket set
Complete with regular and deep sockets three extensions ratchet and two spark plug sockets The handyman's dream!
Special price **$24.95** Save $10.00



IH 15-piece 3/4" drive socket set
For all the tough jobs Finest quality Lifetime replacement warranty If a tool fails under normal use we replace it free
Special price **$109.95** Save $80.00

26 piece 1/4" and 3/8 drive socket set
Includes nine 1/4 sockets nine 3/8 sockets extensions spark plug socket adapter 1/4 handle and ratchet
Special price **$20.95** Save $9.00

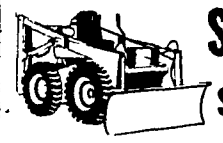


14 piece 1/2" drive socket set
Basic field quality tractor set includes ten 12 pt sockets 7/16 to 1 two extensions ratchet and metal case
Special price **$21.95** Save $8.00

INTERNATIONAL AGRICULTURAL EQUIPMENT

ERB & HENRY EQUIP. INC.
New Berlinville PA 1 Mile N of Boyertown
Phone (215) 367 2169

SCHAEFFERSTOWN EQUIPMENT



SCHAEFFERSTOWN, PA

½ Mile N. of Schaefferstown on Rt. 419
Phone 717-949-6529

ALL MACHINES REPAIRED AS NEEDED — CLEANED & PAINTED.

WE BUY USED EQUIPMENT

WE ARE A DEALER FOR CUSTOM TRAILERS

BACKHOE LOADERS

Case 580B 1975 w/cab	$15,500
Case 580B	$11,500
JD 400, excell cond., overhauled	$9,000

CRAWLER DOZERS

Cat D8 46A Series, real clean	$42,000
Cat D4 D 40A Good	$11,500
Cat D8 2U Cable	$8500
Cat D6, hyd.	$6500
Letourneau pull pan	$1600
JD 350 6-way angle Blade New Undercarriage	$9200
JD 1010 Dsl w/winch	$5000

CRAWLER LOADERS

JD 450 w/93 hoe	$14,500
JD 450	$9500
JD 450 w/ROPS, good	$12,000
JD 440 Dsl	$6500
Cat 955H 60A	$12,500
Cat 977H w/ripper	$18,500
Cat 933G, good	$9,500
Cat 933	$6500
IHC 4340 w/ripper	$7200
IH 340 Dsl. 4 & 1 Bucket w/Ripper	$7000
IHC TD9	$8200
AC HD5	$3450
AC HD6G runs and operates	$4000
Case 1150 4-in-1 bucket	$6000
Case 350	$7500
Case 450, good	$9500
Case 750, good	$10,000

SKID STEER LOADERS

JD 24	$4800

GRADERS

Huber Wargo Dsl. w/Cab	$5000
Galion 118 Dsl w/cab	$6500

ROLLERS

Fordlane Paver, ex cond	$3100
3 Ton Tandem	$2000
1 Ton Roller	$2000
1 to 3 ton Virbra-Pac	$3400
1 to 3 ton Virbra-Pac	$2800
3 to 5 ton Huber Tandem	$5000

TRAILERS

1979 CMI Folding Hydr Gooseneck 30 ton	$29,500
9 Ton Tag-Along	$1400
9 Ton Tag-Along	$2000
9 Ton Tag-Along new heavy duty	$5100
12 Ton Tag-Along	$2000
12 Ton Tag-Along	$2750
15 Ton Gooseneck, S A	$3500
25 Ton Lacross T/A	$5500
Approx 1½ Ton Tandem Axle Tilt Trailer w/winch	$1200
1 Ton Roller Trailer	$800
New Trailers - All sizes and prices Call	

TRUCKS

1975 Dodge ¾ ton 4x4 clean	$3500
1965 Int. Dump S.A	$3200
1956 White 18' bed S A	$1800
1967 GMC ¾ ton w/utility box	$800
1970 Chevy w/20' bed S A	$2500
1975 Plymouth Fury 6 cyl	$2000
1973 Buick Riviera	$1500
1969 Ford sgl axle dump, good	$6900
1965 Ford ¾ Ton	$450
Int. Scout 4x4 w/plow	$800
Int. Tandem Axle Dump	$4250
B61 Mack Dsl , single axle truck tractor	$3500

AIR COMPRESSORS

LeRoy 105	$3500
Jaeger 105	$2000
Chicago Pneumatic 125, O H	$3000

WHEEL LOADERS

Hough 70, 4x4 3 to 4 yd good	$14,500
Hough 30, 1 yd good	$5200
Nelson 4x4	$3750

MISCELLANEOUS

MF 180 Tractor	$6850
Ford Corn Planter 2 Row 3 pt	$450
16' Dump Box	$1250
16' Dump Box good	$2450
5 ft Rotary Cutter new	$495
Pavement Breaker 90 lb	$350
Assorted Loader Buckets	
6 ft Angle Scraper Blade 3 pt	$175
Myers Snow Plows Electric/Hydraulic/Angle	$1000
17' Dico BlockUnloader, Complete	$2500
Davis Trencher w/Backhoe 30+4	$7500
Davis Trencher 30+4	$5000
Davis Trencher 300+	$3000

DEPENDABLE MOTOR CO.

East Main St., Honey Brook - Pa. 215-273-3131-273-3737

NEW EQUIPMENT SPECIALS

NH #718 Harvester (1 only)	$6050
NH #425 Loader 60" bucket, (1 only)	$9975
NH 315 PTO Baler, flotation tires, hitch and chute (1 only)	$6595
NH 320 Baler w/70 thrower, hyd. hillside (1 only)	$10,150
NH 880W Pickup Head, will fit 880, 890 & 892 Harvesters, 1 only	$1550
NH 456 Mower, 1 only	$1770
NH 489 Haybine, 1 only	$6675
NH 679 Spreader 11:20 Tires	$5465
NH 355 Grinder-Mixer, Heavy Duty PTO 11L tires, 1 only	$5650
NH 230 Wagon, 8 rims, standard tongue, 1 only	$620
Pittsburgh 10' Spring Harrow, 1 only	$695
Pittsburgh 10'6" Disk, ¼" blades, 1 only	$2600
Pittsburgh 12' Field Cultivator, 1 only	$1295
Oswalt Ensilmixer, 1830 trailer w/scales	$9500
Oswalt Ensilmixer, 1830 Stationary w/scales	$9390
U.F.T. 72" Flail Shredder	$2160

NH 1895 Self-Propelled HARVESTER, 4 Wheel Drive, Cab, Air, Heater, 3R Head & Pickup Head, 250 H.P. Cat Engine & Meter Detector
$6300. Cash Rebate In Effect.
Call For Special Price.

FREE FINANCE ON
- NH Hay Equipment Till June 1, 1982
- NH Harvesting Equipment w/Hay Head Till Aug. 1, 1982

SPERRY NEW HOLLAND

JAMESWAY OSWALT ENSILMIXER DUNHAM
Leasing Available

USED EQUIPMENT

NH 477 Haybine
NH 479 Haybine
(2) NH 512 Spreaders
NH 518 Spreader, top beater
NH 717 Harvester, 1R Corn Head
NH 707 Harvester w/1R Corn Head
NH 450 Mower
NH 234 Wagon
Bush Hog 12' Offset Disc, 26" blades, excellent condition
JD #210 12' Disc, excellent condition
Jamesway V11 Silo Unloader

DEPENDABLE IS MORE THAN OUR NAME

- ★ Waiver of Finance on New & Used Tractors Until 3-1-82 + Cash Rebates Just Announced
- ★ Waiver of Finance on All New and Used Hay and Forage Equipment 'Till 5-1-82
- ★ Waiver of Finance on All New and Used Loaders, Spreaders, Grinder-Mixers 'Till 4-1-82
- ★ Waiver of Finance on All New and Used Planters 'Till 4-1-82
- ★ WAIVER OF FINANCE ON NEW COMBINES 'TILL 9-1-82 OR 13.9% FINANCING. CALL FOR DETAILS

In Stock and Ready to Go

Used 1460 combine, 900 hrs., excellent cond.
Waiver of finance available until 9-1-82!!

New wide front ends for Farmall 06, 26, 56 Series

1460 at 19 SOLD price—WE WILL BEAT *ANY* PRICE ON ANY COMPETITIVE MACHINE
1440 & 1420 $7000 cash rebate

AN UNBEATABLE DEAL
NEW IH 720 AUTOMATIC RESET PLOW w/COLTERS, 5 BTM. 20"
Sale Price $6700

New Tractors in Stock at Reduced Prices

3388 MUST SELL. Call for price	784 row crop
986 w/cab	584 row crop
686 Farmall	H84 row crop

IH SHIPPER'S TWINE
"Finest Twine You Can Buy !!"
Was $28.50
NOW $24.85

USED EQUIPMENT
JD 2510 tractor, new short block, exc
AC D17 gas, good price
JD 640 Hay Rake, good shape
NH 273 baler like new fair price

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M & R EQUIPMENT, INC.

NEW PARK, PA

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(After 6 P.M Call: 301-452-8693)

PACE

Ag-Industrial Equip. Co.

ALLIS-CHALMERS SPERRY NEW HOLLAND

KUBOTA AVCO NEW IDEA Bullhorn CONTOUR MASTER

TRACTORS
IH 706
AC 180 w/loader
AC 5050 w/loader
(2) AC 7000
White 2-105
MF 165 w/loader
MF 20 Tractor/Loader
JD 4020

SPREADERS
NH 362 Tank
NH 365 Tank
NH 368 Tank

MOWER CONDITIONERS
NH 1469 w/Ford engine
NH 495
(2) NH 279
(2) NH 479
NH 478, Excellent
(2) NH 1495 12' SP

FORAGE HARVESTERS
NH 1895 w/4R Head
NH 880 w/2RW & WPU

BALERS
NH 320 w/thrower
NH 268 w/thrower
NH 269 w/motor
NH 273 w/thrower
NH 275 w/thrower
AC 303

MISCELLANEOUS
NH 1000 Bale Wagon
NH 1012 Bale Wagon
NH 1010 Stack Line Wagon
Howard Rotovator
MC 9E Rotary Scythe
JD 750 Grinder- Mixer
Farmhand F85B Grinder- Mixer
Vicon Disc Mower
NI Rake
NH 36 Crop Chopper
(2) NH 258 Rakes
JD Elevator
NH 155 Elevator
AC 2300 Disc

CORN PLANTERS
AC 600 4R w/dry fert.
AC 600 4R w/liquid fert.
AC 6R no-till
JD 1400
IHC Cyclo
White 6 Row No till

SKID LOADERS
NH L-35
NH 775 Gas
NH 775 Diesel
NH 425 Rental

COMBINES
AC AII w/2R & 3R w/10' Platform
NH 995 w/15' Platform
JD 105 w/444 Corn Head & Grain Head

Large Parts Inventory and Modern Shop Facilities with Factory trained Specialists to serve You Better.

Sales Department Call Ed Greenleaf
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Immediate Financing
Hours Mon thru Fri 8 to 7 Sat 8 to 4
CLOSED SUNDAY

See The New Number 1's...
IH 5088 & 5288 TRACTORS ON DISPLAY AT OUR DEALERSHIP!

ANNOUNCING WAIVER OF FINANCE!

★ WAIVER OF FINANCE TO 3/1/82 ON THESE TRACTORS IN STOCK!
- 1086 Rental • 3788, 3688 & 5288 Diesels
- (2) 584's At Old Price!

BIG, BIG SAVINGS AVAILABLE TO CASH BUYERS - Call Us For Details!

TILLAGE:
735 Vari-Width Plow, 5 Bottom
730 Vari-Width Plow, 5 Bottom
145 3 & 4-Bottom 18" Rollover, Auto Reset
496 Disc Harrow, 19'1", 9" Spacing (New Model)
501 Disc Harrow, 12'5" - Old Price!
315 Packer Mulcher, 20' Folding, Old Price! (1 left)
415 Packer Mulcher, 13', 12' & 10'
5513 13' 3 Pt Chisel (1 left)
4500 Field Cult., 12' to 21' Folding
5100 Grain Drill, 16x7 Combination
5100 Grain Drill, 16x7 Plain
5100 Grain Drill, 18x7 Plain

SPRAYING EQUIPMENT:
300 Gal. Poly Tank John Blue Trailing Sprayer
John Blue 4-Ton Trailing Spreader with Hyd. Brakes - $3525!

MISCELLANEOUS:
35 Hyd Rake - Old Price!
2250, 2350 & 2450 Loaders
1250 Grinder Mixer
1350 Grinder Mixer
530, 540, 550, 560 & 575 spreaders

Dunham Folding Packers in stock - 23 Ft. & 25 Ft.

MORE WAIVER OF FINANCE...
- To 9/1/82 on New & Used Combines Plus $7,000 Preferred Customer Rebate on Model 1420 Combine
- To 5/1/82 on Planting, Seeding & Cultivating Equipment
- To 3/1/82 on Soil Preparation Equip.
- To 5/1/82 on Hay Equipment
- To 9/1/82 on Forage Equipment
- To 3/1/82 on Materials Handling

★ Warranty Period starts on Waiver Date!

HARVESTING EQUIPMENT
Waiver of finance till May 1, 1982
SP Windrowers
Mower Conditioners
Square Balers
Round Balers
Rakes
Ag Mowers
Forage Harvesters

G-1000 JOHN BLUE TRACTOR
With 1-Row Cultivator - Demo
$3800

No. 14 5-Shank Auto-Reset
SUB-SOILER
2 In Stock...Waiver to March 1, 1982
- IH No. 10 7-Shank & 5-Shank Models Also In Stock

ATHENS DISC HARROWS
In Stock - Ready For Delivery
- Model 131 11'6" Flex Disc
- Model 131 12'5"
- Model 90B 15' Rock Flex

IH 5000 DIESEL WINDROWER
MUST SELL!
- With 12 Ft. Head

MAKE AN OFFER!!
- Waiver till May 1, 1982

ERB & HENRY EQUIP., INC.
New Berlinville, PA. 19545

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INTERNATIONAL® AGRICULTURAL EQUIPMENT

We're An "XL" Dealer!

Ph: (215) 367-2169
WINTER HOURS:
Daily 7 to 5
Sat. 7 to 1

JOHN DEERE Nothing runs like a Deere

USED MACHINERY

TRACTORS:
MF 180D, WFE, New Rubber . $7900
Farmall 460 gas, clean. $3985
Oliver 77 . . . $900
Satoh Beaver 15 hp diesel w/54" mower, 1 yr. old . . ~~$4200~~ Special! $3800
AC 185 diesel, w/cab, 1400 hrs, . $14,500
JD 720 Dsl $3900
JD 630, tricycle $3200
JD 60 w/3 pt. hitch . $1800
JD 4000 Dsl WFE w/cab . . $12,500
JD 4020 Dsl. WFE $9750

HAYING:
JD 16A chopper . . $1800
NI 290 mower-conditioner $1800
IH 1190 mower-conditioner . $4200
IH 440 baler w/thrower $2800

FORAGE:
Fox SPF 2RN 6½ Pickup $6900
Fox 2RN Snapper Head $3500
IH 650 w/2XW - Pick Up $1500
IH 555 w/2XW - Pickup $1400
JD 38 w/2RN . $1800
JD 3800 Long Tongue for Parts. $1100

COMBINING:
JD 237 MTD Picker $1400
JD 42 pull type $1400
JD 40 $2900
Oliver 525 self propelled, w/11 grain & 2 row wide $6000
JD 444 corn head . $5000
JD 6620 side hill w/15 platform $56,000
Coming in
JD 4400 Diesel

TILLAGE:
Pittsburg 4x16 3 pt plow. $550
MF 4x16 3 pt Plow. $500
JD 310 disc, 12' . . $4600
White Off-set disc, 11' $4600
JD 350 5/16 reset plow w/cushion coulters $3100
JD 145 5/16 Plow $1000
JD 950 12' Roller Harrow $2900

PLANTERS:
2 IHC 56 4 row exc . $2700 ea
2 Oliver 540 4 row . $600 ea
JD 1250 6 row plateless w/monitor $1900
IH Cyclo 4 row no-till . . $2500
JD 1240 plateless $1200

MISCELLANEOUS:
JD 680 Manure Spreader, 400 bu , like new $5900

WINELAND EQUIP. INC.
RD2 Rte 164 East
Martinsburg, PA 16662
Phone 814-793-2109

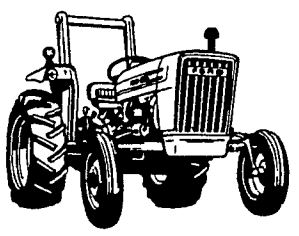
NEW HOLLAND

BROOKS FORD TRACTOR, INC.

Ford Tractor Equipment

FALL OIL SPECIAL
½ PRICE 10 WT. DIESEL ENGINE OIL
Reg. $6.25 gal.
SALE PRICE $3.10 gal.

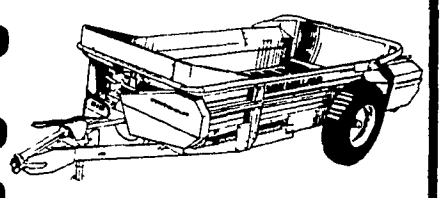
FORD CLEARANCE SPECIALS



(While They Last)
1981 FORD 3600 (40 H.P.) No Trade $10,200
1981 FORD 6600 (68 H.P.) No Trade $15,500
1979 FORD 4600 With Cab 830 Hrs. No Trade $11,300
1932 FORDSON $400

NEW HOLLAND SPECIALS

Lease Returns (1) 513 Spreader 2 Beater w/manure pan $3,000
Lease Returns (3) 519 Spreader 2 Beater w/Manure Pan $3,500
(1) 303 Liquid Spreader $9,200



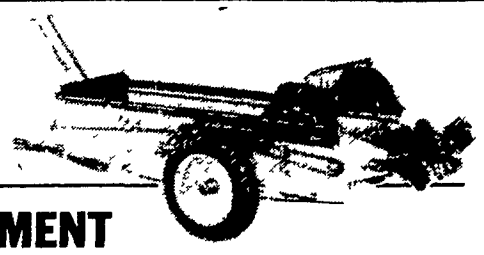
GOOD USED EQUIPMENT

Mower Conditioner	Owatonna 208	Spreader	New Idea 217
Mower Conditioner	I H 816	Plow (2 way)	Ford 145
Mower Conditioner	A C 390	Trailmower	New Idea 254
Mower Conditioner	New Idea 290	Harvester	N.H 707
Flail Chopper	N H 33	Crusher.	N H 404
Baler	N H. 273	Forage Wagons	N H 7

BROOKS FORD TRACTOR, INC.
West College Avenue
Pleasant Gap, PA 16823
PH: 814-359-2751

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

206 GROUND DRIVE SPREADERS
IN STOCK



USED EQUIPMENT

TRACTORS
Case 930
Case 1070 D
Case 1370 C-A-H
Ford 4000 G
IH 660 D
IH 1066 Hydro
MF 2135 Turf
AC 7040 C-A-H
AC 7080 C-A-H
DB 1200 D
MM Jet Star 3 diesel

LOADERS
Case 380
1530 Uniloader
Uniloader Broom
1830 Uniloader
1845D Uniloader

UNI-SYSTEM
701 Power Unit
702G w/combine
767 harvester
762 row crop
760 hay pickup
730 4RW Head

NEW IDEA
Manure Spreaders
212, 213, 214, 224, 218
325/314 picker sheller
323 one row picker
325/327 Picker
329 Super Sheller

FORAGE
Gehl 600 harvester
J D. 65 blower
N H 1880 SP

MISCELLANEOUS
Ford 101 plow
Hesston PT 10
JD 12' Disc Harrow
NH Lime Drill
Lilliston 6' Mower

A.L. HERR & BRO.
PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

case | AVCO NEW IDEA | GEHL Gets into your system | BUSH-HOG

TORQUE AMPLIFIER, CLUTCH & TRANSMISSION PARTS & SERVICE

Rebuilt TA assemblies in stock for IH tractors, New and Rebuilt, Water Pumps Dynalife clutches pressure plates, and PTO drive shafts (are spline fitted into pressure plate. IN STOCK for tractors A, B C through 1586 also for most models of IH combines

Complete TA assemblies for 706 1586 are priced at $550 and come with a Dana Co Heavy Duty Sprag instead of the usual IH sprag **The Dana sprag is guaranteed for 2 yrs. against failure.** Sprag kits (includes sprag gear, Dana sprag & piston carrier) and all items for rebuilding your own TA assembly are available to qualified persons Ramps and carriers for older style TA's (as in SMTA-340-560) are priced at $150 each and carry a 90 day guarantee We have parts needed for TA repair in stock at prices which will save you money Shop is available for complete TA installation or split the tractor yourself and send the center housing to us **Complete rebuilt center housings available on exchange basis or for installation in tractors which did not have TA from factory**

Selling parts from the following
Please have part no when calling if possible

Quality Reconditioned Engine Parts
We have blocks, cranks and heads in stock from tractors we have salvaged which have been reconditioned by the most precision oriented machine shop in the county We do not sell weld repaired parts If you want new quality parts at a used parts price, we can help you Parts are sold w/a 90 day replacement warranty

Tractors - IH 1066, 806, 706G, 616D, 450D, 460, 340, 300, M, SM, W 6 & A JD 520, 2020D, 60, A B Oliver 1555, G-wfront, year round cab
Combines IH 203 JD 30 & 55, MF 35, Uni 701, 702 & 705 tractors, also 710 combines & 727 & 737 huskers MF 510 G Quick Tach
Corn Heads IH 429 WN, 430, 228 227, 328 WN

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IH | Badger | OMC | AVCO NEW IDEA

TRACTORS
IH 2500 Industrial Tractor w/Loader
IH 706
IH 674 D
IH 656
IH 606 D
IH 574 D
IH 544
IH 434
IH 400
IH 350
IH 330
IH 300
IH Super MTA
IH Super C
David Brown 995D
Case 800 D
JD 820 D
MF 165 D
MF 165 D
MM 55 for
Gehl #M6
Bobcat M600
JD 70

TILLAGE
IH 710 4x16 Plow
IH 710 5x18 Plow
IH 735 5x18 Plow
IH 700 4x16 Plow
IH 710 3x16
Kasco Chisel Plow
Ford 3x16 Plow
IH 311 3x14 Plow
IH 45 Vibra Tine Cultivator
MF 4 Row Cultivator

PLANTERS
IH 400 6 Row no-till
IH 400 4 Row no-till
JD 1240 Row
IH 449A 4 Row
JD 290 2 Row
IH 56 4 Row
IH 440 Baler
IH 46 Baler
NH 269 Baler
NH 69 Baler

FORAGE HARVESTERS
IH 830 3R Head and Pickup
IH 650 2R Head and Pickup
Fox 3000 2R Head and Pickup
IH #16 1R Head and Pickup

FLAIL CHOPPERS
Brady 722
Brady 608

FORAGE WAGONS
Badger 1410
Gehl BU 85
AC
NH #8
NH #6
VanDale 185 Mixer Wagon w/Scales

MOWER CONDITIONERS
IH #225 SP
IH 990
NH 479
Hesston 1014
OMC 216
NI 270
IH 15 Rake
IH 35 Rake
JD Hay Tedder
Farmhand Windrow Turner
IH 100 Sickle Bar
IH 1000 Sickle Bar
Ford 14-9B Sickle Bar
IH 28 Rotary Mower

NEW IDEA UNI
705 w/Super Chopper and 3R N C.H. and Hay Pickup
702 w/Combine
NI 744N Corn Head
NI 324 Corn Picker
NI 325 Corn Picker
Oliver #5
IH 234
IH 205 Combine
IH 303 Combine
IH 715 Combine

MANURE SPREADERS
NI 213
NI 214
NH 202 Ground Drive
NH 676
IH 580
Better-Bilt 10' Vertical Pump
Better-Bilt 18' 3 pt. Pump
Badger 102 8' Vertical Pump
IH 2250 Loader

IH 2000 Loader

IH 2001 Loader

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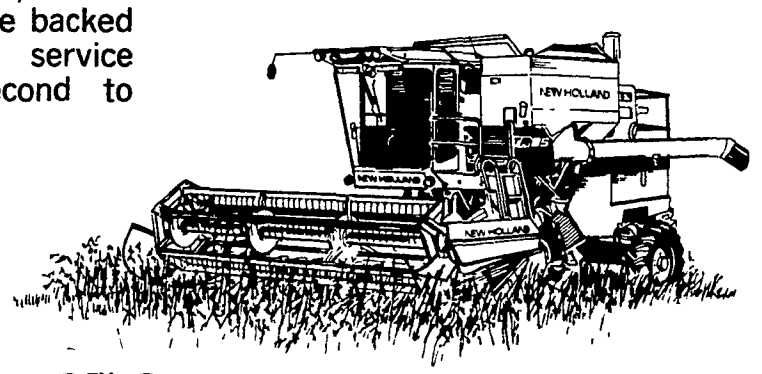

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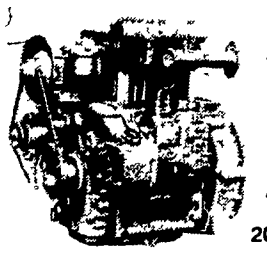

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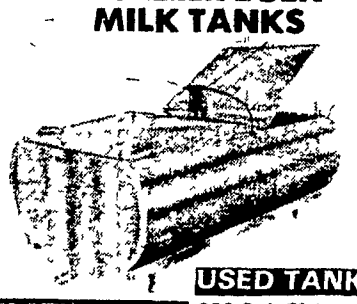

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VG4D 37 hp $1445.00
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(Adaptable to many other applications)

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'76 JD sidehill combine, 1300 hrs.
Case 2390, 350 hrs.
'74 9000 cab-over truck tractor
'69 R600 Mack, exc. condition
New 320 NH baler w/70 thrower
New Stoltzfus 5 ton lime spreader
'66 Ford tandem dump
500 gal. Cagle sprayer
400 bu. Moridge batch dryer, like new
'77 Ford F350 pickup
Self-unloading Grove wagon

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Used Combines - June 1, 1982
Used Hay And Forage Equipment - May 1, 1982
Used Planters - March 1, 1982

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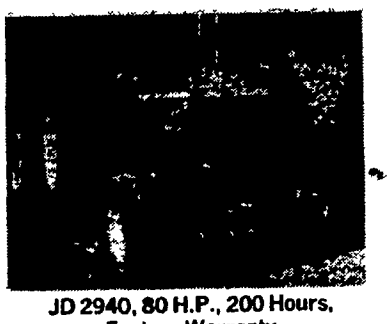
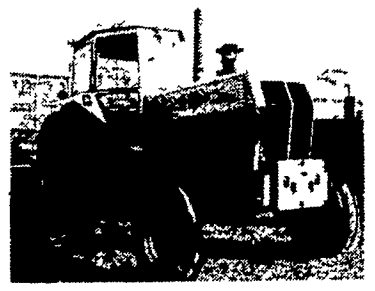
Harvesters (Corn) - Aug. 1, 1982
Harvesters (Hay) - June 1, 1982
Hay Tools - June 1, 1982



JD 2940, 80 H.P., 200 Hours, Factory Warranty
$18,250.00

IH 544 Diesel, Hydrostalic Drive, 50 H.P.
$6250.00

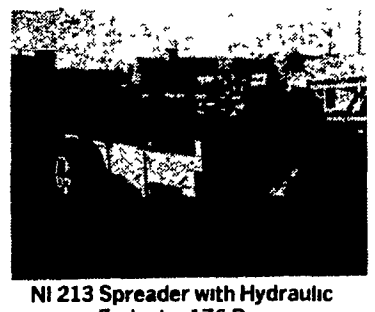


White 2-150 Diesel 1020 Hourse 150 H.P.
$17,000.00

NH 355 Mixer, 100 Bu. 10 ft. Unloading Augers - (Excellent Condition)
$5500.00

NH 846 Round Baler with Auto - Wrap (Used 1 Season)
$6900.00

JD 7000 6 Row Narrow, Max Emerge, w/Fertilizer, Insecticide, HD Coulters - (like new)
$7500.00



NI 213 Spreader with Hydraulic Endgate, 176 Bu - Very Clean
$1800.00

NI 218 Spreader, 275 Bushel
$4250.00

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NH 477 Haybine $2675
NH 467 Haybine $2350
Hesston Pt 10.. ..... $1650
NI 279 CutDitioner. $2650
NI 270 Cut Ditioner $1650
NH 469 Haybine $2650
JD 1380 Mid Pivot Mower Conditioner, 12 Ft .. $4995
Hay Crimper $150
NH 479 Haybine $2950
NH 1469 Self Propelled Haybine $4850

USED BALERS

JD24T Engine Baler..... $1995
JD 224T Baler $2450
NH 68 Baler $1550
NH 68 Baler $1500
NH 271 Baler w/Thrower .. $1950
JD 14T PTO Baler w/Ejects $1250
JD 346 Baler $3650
JD 14T Baler $600
Ford 530 Baler $850
NH 273 Engine Baler w/Steel Wheels $3150
NH 282 Baler w/thrower $2995
JD 336 Baler w/30 Ejector $4250
JD 336 Baler (8000 Bales). $3650

USED GRINDER MIXERS

NH 352 ..... $2650
JD 750 (Excellent Cond) .. $5500
Bearcat 540 & 1000 RPM Hammermill $995

USED TRACTORS

JD 3020D late Model, Engine overhauled.... $8900
JD 2010 Gas, 45 H P..... $3450

USED LOADERS

JD 37 Loader $350
JD 47 Loader $675

USED BLOWERS

NI 620 Blower; Nice $1250
Gehl 99 ..... $1800

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Triumph Hi-Way Mower $1000
JD 25A Flail Mower, Like New $1250
NH 56 Rake $950
Bushhog 14' Rotary Cutter ... $1800
JD 350 Rake $450
NH 55 Rake $795
Fella Tedder 650
JD 10 Mower $195

USED SPREADERS

NH 512 ..... $1350
NH 510 ..... $1575
NH 790 ..... $3990
NI 512 w/Hydraulic Endgate $875
Stoltzfus 5 Ton Fertilizer Spreader with Sower ... $3850

USED HARVESTERS AND ATTACHMENTS

NH Super 717 with 2 Row 717R2 Corn Head $2250
NH 1 Row 717 Corn Head ... $775
NH 717S Harvester $1800
Fox Hay Pickup $500
NH 717 Harvester $1350
NH S717, New Knives .. $1650
NH 717 R2, Corn Head..... $650
NH 718 Harvester $3500
NH 770 R2 Corn Head $1350
NH 707 3 Pt Hitch one Row $2350
NH 707 W Hay Pickup $375
NH 1890 Harvester with 890A Auger Base and 890N3 Three Row Narrow Corn attachment low hours, field ready ... $32,250
NH 890A Auger Base w/890N3 3 Row Narrow Corn Head..... $4000
NH 717S Harvester $1775
NH 717 Harvester $400
NH 717 1 Row Corn Head . $200
NH 880 Harvester w/880 R2 Corn Head $2650
NH 1895 Harvester w/1895 A Auger Base and 1895 N4 Corn Head - Used 1 Season ... $51,000
NH 1895A Auger Base and 1895 N4 Corn Head $8000
NH 880 N3 Corn Head $2850
NH 717W Hay Pickup $675
Fox 2300 Harvester w/2 Row Wide Corn Head $2995

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NH D100 Backhoe $2950
NH T330 Trencher $2400

USED WAGONS AND GEAR

Badger Forage Box with Gear $1875
Gehl Forage Box w/NH 234 Running Gear $2850

USED COMBINES AND ATTACHMENTS

NH TR70 Ford Diesel, Var. Speed $34,500
NH 962 N4 Corn Head $4250
NH 960 13 ft. Flex Grain Platform..... $2850
JD 444 4 Row Wide Corn Head $4250
JD 443 4 Row Narrow Corn Head $5850
JD 244 2 Row Wide Corn Head $1600

USED SKID STEER LOADERS

Mustang 1700 Diesel ... $6950

USED CORN PICKERS

NI 323 Corn Picker..... $3250

USED PLANTERS AND GRAIN DRILLS

JD 494A - 4 Row Planter ... $550
JD 494A - 4 Row Plate, w/fert. Insect $1000
IH 56 - 4 Row Plate, w/fert. Insect $1350
JD 1240 Corn Planter $1900
JD FB 14x7 Drill w/fertilizer, Grass Seed, Single Disk Openers $950
JD 494A Planter..... $1050
JDFBB 17x7 w/DD Seed Openers, Fertilizer and Grass Seed . $2250

USED TILLAGE

JD 9' Spring Tooth Harrow... $450
Dunham 10' Packer $600
JD 350 - 5 Bottom Hydraulic Reset Plow. $3250
Wing Fold AC 18' Field Cultivator..... $2250
Ford 206 - 12', 3 Point. Spring Tooth Harrow. $425
JD 208 Killifer disk. $450
Brillion LFM 9 Ft Packer ... $375

USED GRAIN DRYERS

295 Bushel Batch Dryer... $1100

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NI 3 Row Snapper Head, like new

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NEW EQUIPMENT

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Bush Hog 5' chisel plow $800

USED EQUIPMENT

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Farmall A tractor
Farmall Super H, $900
AC gleaner combine model CII 14' grain & 4 row corn head $7500
IH 674 diesel $8500
IH 574 diesel utility, low hrs. $7300
IH 544 gas hydro, new engine $5800
NH 469 haybine $2400
IH 400 cyclo planter $3000
Oliver 5F 16" plow $1150
Oliver trail plow, 3f trip, $300
1 NH 68 bal SOLD rower $800
Sheller for NI picker $600
IH 234 corn picker
JD Model 18 corn picker
NI manure sp SOLD $500
72" Woods under mount mower $500
2- IH 990 mower conditioner, $1975
IH 234 sheller attachment $1325
Kelly loader $400
2 IH 550 forage harvester hay & corn head $2700
IH 540 furrow plow, $1100
Brillion cultipacker, like new $950
2000 loader

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584 RC w/16.9x30 Tires 52 Hp.

ALL TRACTORS WAIVER OF INTEREST 'TILL 3-1-82

NEW EQUIPMENT SPECIALS

IH 1250 Grinder/ Mixer $7380. . . . . $6100
IH 595 Spreader, 451 Cu' $8287 . . . . . $6950
IH 550 Spreader 249 Cu' $4845 . . . . . $4100
IH 540 Spreader 210 Cu' $4233 . . . . . $3650
IH 2250 Loader w/Bucket $3621. . . $2975

WAIVER OF INTEREST 'TIL 3-1-82

NEW TILLAGE EQUIPMENT SPECIALS

IH 510 4-18 Plow $4250
IH 510 5-18 Plow $4650
IH 720 5-18 Toggle Plow $6200
IH 720 6-18 Toggle or Land . . . $8250
IH 475 12' Disc w/Cyl. $4550
IH 475 17'8" Folding Hyd. w/Cyl $7250
IH 490 20'6" Hyd. Fold w/Cyl . $9500
IH 415 Packer Mulcher 12'2" 19" Packers w/Cyl. $4950
IH 5500 9' Mt Chisel w/Gauge Wheels & HC. $1950
IH 6010 10' Con.-Till w/Cyl. . . . $3850

WAIVER OF INTEREST 'TILL 3-1-82

USED TRACTORS

IH 966, D w/WF & 2 2 pt. . . $12,500
IH F 544 Diesel w/WF end and 3 pt hitch $6850
2-IH F-M Any price range
IH 574 Gas 1295 hrs , nice . $6150
IH F 300 Gas w/2 pt . $1750

WAIVER OF INTEREST 'TIL 3-1-82

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker . . . $950
IH 76 Pull Combine. $650
Fox 1 Row Corn Head for a 546 $150
IH 2 Row Corn Head for IH 650 . $250

USED HAY EQUIPMENT

IH 990 9' mower conditioner . $2350
IH 37 Baler w/thrower $1800
IH 15 Rake $375
NH 479 9' Haybine $1500
IH 27 Baler w/thrower $1500
NH 56 Hay rake $750
IH 430 Baler w/thrower $2650
Van Dale Forage box and chassis. $1250
Gehl 72 6' Flail Chopper . Coming In
NH 7 Forage Wagon $1650

WAIVER OF INTEREST 'TILL 5-1-82

USED TILLAGE

IH 510 4f 16" nice w/cylinder $2150
IH 720 6f 18" like new w/cylinder, toggle trip. $6500
MF 4f 14" $300

WAIVER OF INTEREST 'TILL 3-1-82

USED SPREADER AND MISC.

IH 530 Spreader $1350
IH Wagner Loader w/buckets . . . $450
IH 550 w/new apron $2250
Century 300 Gal Sprayer $650

WAIVER OF INTEREST 'TILL 3-1-82

USED PLANTERS AND DRILLS

IH 400 6 row 30" real nice. $5950
JD 494 4 row shoe $400
IH 56 2 row real nice $1250
IH 400 4 row 38" $2500
JD 494 A w/new hoppers $1350

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NH model 114 pivot tongue windrower (12' header)
NH model 852 auto-wrap round baler
NH model 847 round baler
NH model 800 manure spreader (14 ton)
NH model 489 haybine w/stub guards
NI model 323 cornpicker

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300 cyl. engine, auto trans radio, new paint.

1975 CHEVROLET 20' VAN TE67
366 V8 engine, AT540, aluminum body w/curbside door and roll-up rear door automatic transmission, power steering, radio, new paint.

1976 FORD 14' REFRIGERATED VAN LN7000
175 HP Cat engine, 5 sp - 2 sp. trans., 1000x20 tires, dual 50 gallon tanks, XMT-20 Thermo-King unit; new paint

1979 CHEVROLET C7D042
Cabin chassis only, will take 14 or 16' body, 366 V8. engine, 5 sp. trans., PS, tilt hood, new paint.

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1975 CHEVROLET Titan 90
Tandem axle diesel sleeper, 318 Detroit engine, 10 speed transmission, PS, AC, with or without new paint.

1976 PETERBILT 352S86
Tandem axle diesel sleeper tractor, 350 Cummins engine, 13 speed transmission, power steering, A/C, overhauled

1977 GMC JC 9640
Tandem axle diesel, conventional cab, NTC 290 Cummins engine, 10 sp. trans , 38,000 rear axle, PS, AC, low mileage

1977 Ford LN 9000
Single axle diesel, conventional cab, 238 Detroit engine, 10 sp trans , PS, AC, Air Shield, just overhauled, with or without new paint.

Complete maintenance records available for inspection. Other makes, Models & types to choose from.

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1 used Huskey spreader tank, 3000 gallon
1 used Badger spreader tank, 1500 gallon
2 new DeLaval manure stirrers
1 new DeLaval Satellite feeding station w/2 stalls, (returns $2 for each $1 invested)
2 DeLaval #78 vaccum pumps w/free servo-regulator plus $100 rebate from company

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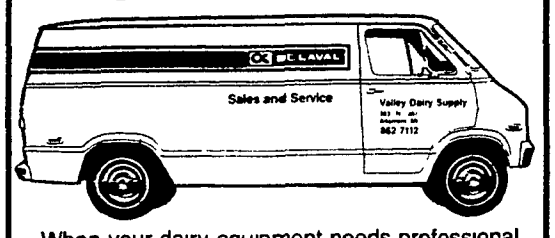

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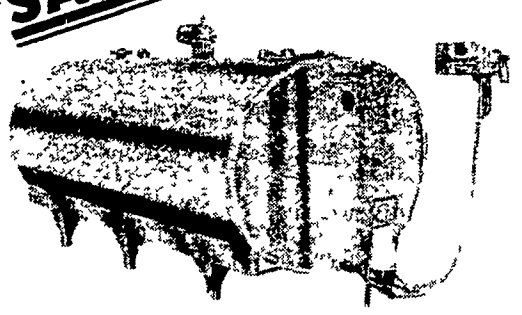

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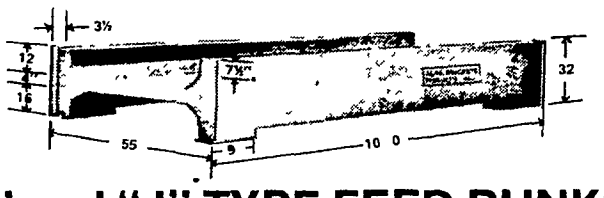

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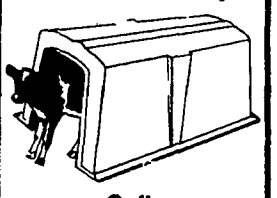

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February 17, 1982
Blizzard date - February 18, 1982
Pennsylvania State Farm Show Building - Corner of Cameron and McClay Street, Harrisburg, Pa.
Tack - 9:00 A.M.
Horses - 12:00 Noon

TERMS - Tacks and Draft Horse related items - 10% with Maximum Commission $50.00.

Horses - $25.00 to accompany consignment.

If no sale - no refund. 4% commission - Maximum comm. $120.00.

$25.00 entry fee to be deducted from commission.

Catalog Deadline Jan. 1, 1982

Consignments will be accepted until 10:00 A.M. February 17, 1982.

Horses will be sold in order of consignment.

Negative Coggins Test and Health papers within 6 months must accompany horses.

CONTACT

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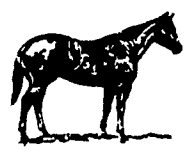

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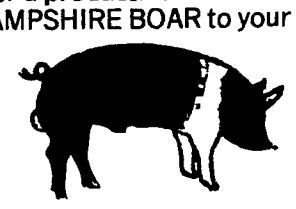
For a **productive** 1981.
Add a HAMPSHIRE BOAR to your herd



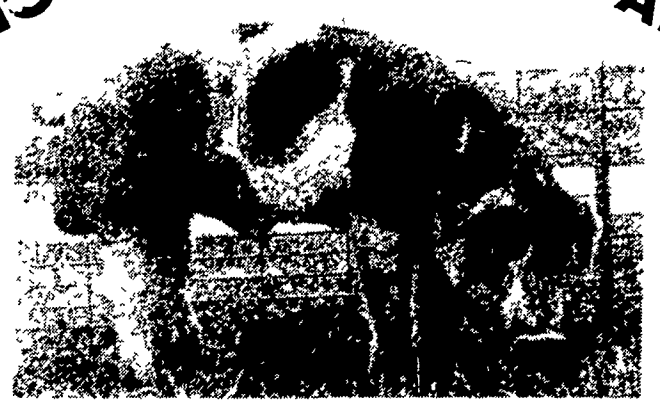
Good selection of SERVICE AGE BOARS AVAILABLE Gilts presently all sold until late summer. (Top Indexing Hamp Pen at O.S.U. Test Station w/81 144 Days to 230#, BF .81, LEA 5.8, 65% Lean Cut)

HAMPSHIRE HAVEN Val. #466
Bryan Eick & Family PRV #81
8619 W. Old Lincolnway
Wooster, Ohio 44691
Phone (216) 264-9206

SWINE

SWINE

NOW AVAILABLE



SPOT x 1

Reasons Why YOU Should Be One Of The First To Own a Spot x1 HYBRID Boar

1. Excellent feed conversion
2. Fast growing ability
3. Produces good milking sows
4. Backfat and daily rate of gain figures available on these boars.

SALES or LEASE
(Limited amount of gilts available)

EAST COAST HOG SERVICE
409 CLAY ROAD
LITITZ, PA 17543
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SWINE

SERVICE AGE BOARS Straight Irish or other foreign bloodlines No U S breeding in our herd Reno H Thomas, Brooks End Farm, Beavertown, Pa 17813 Phone 717-658 5821

If you have swine to sell or buy check our swine column It is read weekly by thousands 717-394-3047 or 717 626 1164

YORKSHIRE AND LAND RACE boars and gilts of all ages Pseudorabies negative tested boars for sale at all times Production tested, certified meat tested, Show winners with many carcass champions Daily drive in and drive out service Reno H Thomas, Beavertown, PA 17813 717-658 5821

125 Hampshire Yorkshire open gilts Also service age boars of both breeds John Strawbridge, Stewartstown, Pa 17363 301 996 2022

For Sale
Duroc and Landrace Boars
from production tested sires **Crossbred gilts** from Landrace or Yorkshire sired litters Crossbred litters maintain a 9 plus weaning average over 400 litters per year
Dutch Valley Farm
Rd 5, Box 428
Manheim, PA 17545
717 665 6220 Mark
717 665 2588 John

Yorkshire Boars and open gilts, breeding age and younger Miller Yorkshire Farm, Rd 1 Box 1366, Spring Grove, PA 17362 717-225 1926

Chester white and spotted boars and gilts for sale Delivery available James Parlett, RD 2 Airville, PA 17032 717 862 3610

10 Yorkshire bred gilts due to farrow Nov & Dec Miller's Yorkshire Farm, RD 1 Box 1366, Spring Grove, PA 17362 717 225 1926

For Sale - Boars Hampshire and Berkshire boars Service age, delivery available 215 285 6582 Call after 4 P M Terry Bennecoff

For Sale Duroc service age boars, sired by Midwestern bloodline Fast gaining, aggressive breeders Pseudorabies free herd #34, validated #133, delivery can be arranged Rick Pfautz, Stevens, PA 215 267-3739

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Call direct for the best possible feeder pig prices.
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Bred gilts due in February and March Growthy big framed and Sound Bred to a super sound modern type son of H P Hostage These gilts are same breeding as several Farm Show Champions Lancaster County FFA and several county fair Grand Champion Market Hogs These gilts will raise some top Market and Breeding Show pigs Also Boars and Open gilts for sale Validated and PRV Free Herd We Will Arrange Delivery to the Ag Arena Sale
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Smicksburg, PA 16256
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SWINE

AGGRESSIVE BOARS FOR SALE
These Boars Just Off Test
PUREBRED

Boar No.	Lbs of Daily Gain	Days to 230	Feed Efficiency	No. Weaned
48-1	2 73	160	2 69	11
47-3	2 53	137	2 69	11
47-6	2 93	148	2 69	11
48-3	2 53	153	2 69	11
48-7	2 3	164	2 69	11
47-7	2 33	163	2 69	11
48-6	2 36	163	2 69	11
46-7	2 53	156	2 69	12
47-5	3 06	144	2 69	11
46-4	2 73	149	2 69	12
46-8	2 63	156	2 69	12

CROSSBRED

4	2 23	149
1	2 4	157
5	2 26	149
2	2 2	168
9	2 3	153
6	2 53	152
7	3 03	145
8	2 36	169

CROSSBRED GILTS FOR SALE
Brucellosis and Pseudorabies Tested Negative Herd
Buy Predictability and Healthy Breeders
Our A I Boars and Gilts are really growing!
ISAAC'S YORKSHIRES
RD 2 Box 55C, Townsend, DE 19734
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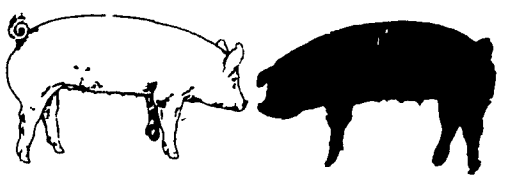
YORKSHIRE BOARS - DUROC BOARS



AG. ARENA BENEFIT SALE
DECEMBER 11, 1981
FARM SHOW BUILDING
HARRISBURG, PA.
Our Consignments
BRED GILTS
#1-5 Sire "CHARLIE HUSTLE"
Dam "EXPLORER"
Carrying Service to "FUTURE" due Jan. 1, 1982.
Mate to high selling bred gilt. Nov. 6 sale.
#13-9 Sire "Future"
Dam "TARGET"
Due Jan. 14, 1982 Service sire "START"
Mate to our Delaware Test Station Boars.
BOAR
#55-14 Sire "FUTURE"
Dam "CHARLIE HUSTLE"
Dam is mate to top indexing boar PA. State Test Station.
Duroc sire "LEXINGTON"
BOARS AVAILABLE
2 Yorkshire - immediate service. 4 April boars, 4 May boars, 35 June boars, Duroc 15 - June 20 - July. Val. #101 PRU #53. Price $300-$500
We will be delivering boars to PA Farm Show daily. Call early for best selections.
Free delivery in Lancaster County most Mondays
We are located 30 mi from Lancaster, 10 mi from Farmer Boy Ag, 1 mi from Tri-County Swine Systems
Call or Write

Yorkshires	Durocs
Leon L Arnold	Lawrence Arnold
Rd 7 Box 705	1245 Cumberland St
Lebanon PA	Lebanon PA
717 273-5880	717 272 9827

Next Sale February 13th
Selling 40 Boars, 50 Bred Gilts
50 Crossbred &
Purebred Open Gilts

SWINE

FEEDER PIGS FOR SALE
Available in Quantity
Call for Details
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Chester White Gilt
Selling in Penn State Ag Arena
Benefit Sale Dec. 11
Littermate to Reserve Champion Chester White Boar Keystone International
Littermate to Reserve Champion Chester White Barrow, National Barrow Show
Bred gilts for sale at the farm
Doug Hancock
RD 1 Honey Grove, PA 17035
717-734-3619

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SEXATION	$60.00
MILK MASTER	$60.00
CARLIN M. IVANHOE BELL	$62.00
S-W-D VALIANT	$130 00
ELECTRA	$45 00

PLUS MANY OTHER BULLS AVAILABLE
Ship or deliver anywhere in U.S.A
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Call for very competitive prices

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PHONE 717-274-3488 **LEBANON PA.**
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Registered Yorkshire Bred Gilts due to farrow Dec and Jan 717 292 4634

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Duroc, Spot, Crossbred Gilts
(Delivery available)
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Kenneth Ketterer
Phone 717 423 6250

10 ampules Ivanhoe Star at $70 each 20 of Vincent View Molly Chief, $30 each 5 of Whittier Farms Apollo Rocket, $25 each 717 768-8318

Apache, $90 Astronaut, $55 Bell, $55 Ford, $25 Milkmaster, $52 Starlite, $75 Tradition, $70 Pete $100 Victorian, $40 814 793 4202

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High Pressure Washing & Spraying
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NEW LOW PRICES Egg cartons, misprints when available $15 1000, New Cartons $38 1000 717 665 5927 or see Eddie

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New wire cages Any size Cheap Can Ship 717 349 7610 Franklin Co

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40 case/hr Aqua Magic washer, candler & grader Vac Packers w/belt line turntable & carton closer 50 case/hr Egg O Matic grader/candler, 4 automatic packers w/carton closer & inline w/featherlite washer Above equipment very clean Call Jim or Mike Enck 717 299 0828

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* **Fowl**
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* **Bantams**
* **Pullets**
* **Capons**
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* **Guineas**
* **Chuckers**
* **Turkeys**
* **Lambs**
* **Goats**

JACK MINTZ POULTRY
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For Sale Special trailer loads Peanut Hulls, $28 ton plus transportation Suffolk, Va, immediate delivery Bomberger s Store 717 665 2407

Chambersburg, Hagerstown, Gettysburg, Frederick areas Highest price for good hay Cash in your hand 301 739 8035

For Sale Round bales, Timothy, Orchardgrass, Blue grass mixed $30/bale loaded on your truck Also wheat and Barley straw $20/bale loaded on your truck Call 717 624 7585 or 624 2429

For Sale Mulch hay round bales 717 761 0651 After 8 PM

Will buy moldy grain 301 833 1847

Want to buy hay at farm by trailerload in South and Central PA Contact J H Mears 703 347 1414

Buying and Hauling hay All kinds and quantities 717 432 9442

18 Varieties WAXY Seed Corn Available, also Dent Seed Corn, Soybeans, Alfalfas Contact George Steele, Custom Farm Seed, 717 665 6931, Dealerships Available

High moisture corn Ear, shelled or ground delivered or at field 301 357 8698 before 8 AM or 301 666 0079 evenings

2000 bu high moisture corn, approx 30 percent moisture 814 472 6752

Hay for Sale First and second cuttings price $65 $80 and $95 per ton Can be bought in any quantities 3 manual operated brake riveting machines with punch out attachment Make an offer for any or all 717 957 3811 until 5 After five 717 834 3221

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Receiving Daily
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Will pickup
JAMES G. KREIDER
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Lancaster Co

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SAWDUST & SHAVING MIXTURE
Bulk Loads
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Good Quality Only
Will pickup at your farm.
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Picked up at your farm or delivered to Manheim.
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For livestock and poultry beddings.
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Buying and selling high moisture corn and dry corn
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Sawdust & Shavings
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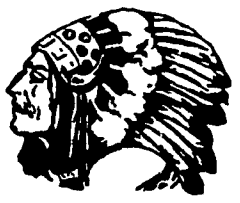

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For Details

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I can provide cleaning and hauling during the following months: June - August - September and December thru March
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$$ Save Fertilizer Dollars $$
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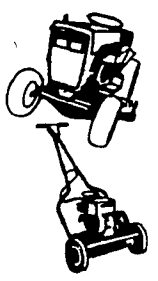

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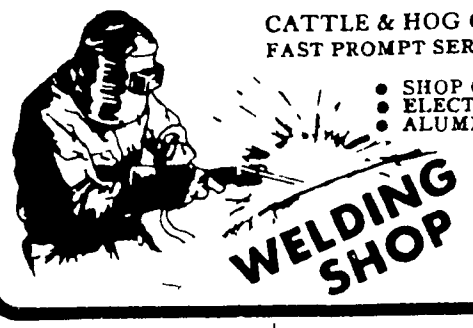

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HELP WANTED

Experienced herdsman with help preferred for 200 cow modern dairy operation, good wages and benefits 301-874 5229

WANTED IMMEDIATELY

Married man for progressive Holstein Dairy Farm in Northampton County, Pa. Experience preferred, but will train the right man. 100 cow free stall, milking parlor operation. Equal time spent with cows and crops. Excellent compensation. Benefits and housing. References required. Call after 7 P.M. 215-588-8447

HELP WANTED

Area Sales Manager position Aggressive, creative & highly motivated person to sell field bottom unloading silos in 16 County area Prefer Bedford Fulton Co residence as this would be the center of the area Must have agricultural background & have at least 10 yrs of successful selling of agriculture products Pay & benefits commensurate with ability, experience & productivity Reply to Box 366 JH 137, c/o Lancaster Farming, Lititz, Pa 17543

Elderly man to live in cabin at backwoods farm, no hard work Paul F Yerger, Sr RD1, Auburn, Pa 17922

Experienced writers who are familiar with farming and photography to do parttime correspondent work in Chester and surrounding counties of PA Send resume and writing samples to Editor, Lancaster Farming, P O Box 366, Lititz, PA 17543

Person or couple for milking on modern dairy farm, experience and references required, housing available 717-532 9271

Wanted Part time help to get cattle ready for dairy sales Only the experienced person that can give TLC need apply (milking, cleaning currying, etc) Write Box J 179, c/o Lancaster Farming, Lititz, Pa 17543

WANTED

Truck Route Salesman for a growing Lanc Co Dairy Equipment Co

Must have ability to effectively deal with customers and handle paperwork.

ALSO

Position for dairy equipment salesman with field experience

Inquiries confidential Salary and benefits open

Send Resume to
Box 366 J-208
c/o Lancaster Farming
Lititz, Pa 17543

WANTED

Service manager for established farm equipment dealer Must have ability to supervise mechanical operations, effectively deal with customers and handle paperwork

ALSO

Position for agricultural equipment salesman with field experience

Confidential Inquiries
Salary and benefits open

Location -
Northern Va , Piedmont Area

Send Resume to
Box 366 J-206
Lancaster Farming
Lititz, Pa. 17543

HELP WANTED

WANTED SALE PERSON

Expanding agriculture company needs sales representative in PA, MD, NJ, DE and VA. If you have been looking for an opportunity w/top earnings, this is it. We have a top quality product sold and delivered direct to the farm You will have a protected territory w/no overnight travel and be paid on a top commission basis. We will give you all the marketing support in the field to make you successful and allow you to earn as much money as you desire.

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Sales manager to train and supervise field sales force engaged in selling bottom unloading silos, liquid manure systems & farm automation. Salary, expenses & commission.

Call or Write for Confidential Interview.

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1730 Highway 72 N
Lebanon, PA 17042
717-273-9324

HELP WANTED

Person with management ability for registered Holstein herd House, etc Experience and references 717 464 3752

Christian person to work on dairy farm, good pay, housing, utilities, health insurance Call 301 758 2213 between 7 and 8 p m

HELP WANTED

Ams oil dealers wanted 717 626 5693

Individual with management ability for modern poultry and grain farm in Lancaster County Hospitalization, paid vacation, and other benefits provided Write to Box 366 J 210, c/o Lancaster Farming, Lititz, Pa 17543

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File a separate application for each level. Salary I Level: $13,455-$17,646 max. reached in 6 yrs. Salary II Level: $14,482-$19,008 max reached in 6 yrs.

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301 W. Preston St.
Baltimore, MD 21201
Tel: 301-383-3289

HELP WANTED

Assistant herdsman on modern Harford County MD dairy farm Some field work Write Lancaster Farming Box 366 K 19, Lititz, PA 17543

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Married person w/family desires work on beef, hog or general farming Also experienced and willing worker Call after 7 00 P M 717 465 7416

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Send replies to
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P O. Box 366 J-205
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For Sale - 1962 GMC 5000 cab and chassis 26,000 GVW $1000 Call 717 761-0651 after 8 PM

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1967 IH 1890 Trash truck w/20 yd Leach compactor, V 8 engine, 5 sp trans , 2 sp rear, air brakes, PS and 10 00x20 tires 44,000 miles - Used by State of Maryland 3,850 00 301-845 8800 or 898-7500

Gooseneck dump trailer, 15,000 GVW and/or J20 jeep 8,400 GVW, both inspected. Lancaster County 717-786-1882

1973 International 2010, 44,000 GVW tandem rears 5+2, power steering, no rust, will take 18 ft or 20 ft dump 717-865-6710

1974 LN 8000 Ford, 225 Cat w/new 24' Jern Dan Rollback's, Ford 700 1969 with 24' Grove Rollback $5500 A good cheap truck 717-265-9014

For Sale - 1978 GMC 1 ton crew cab pick-up truck 4 speed 9000 GVW Call 717-273-7394 evenings

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'80 GMC heavy duty ¾ ton pick up, 350 auto , PB/PS, radial tires, $5,350 717-859-3291 or 733-4884

1977 Int 1800 446 V8, 5 and 2 speed, air brakes, power steering, double frame 10 00x20 tires, 69,000 miles, 32,000 GVW, 1971 Int 2110 tractor with 5th wheel, 477 V8 5 and 2 speed, air brakes 10 00x20 tires 301-877-9889

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'76 Chevy pickup C30, PB/PS, good cond 717 367-4846

For Sale 1968 Ford C850 Fire Truck, 477 cu in motor, 750 gallon pump, 750 gallon tank, 33,000 miles, A-1 condition Day 301-658 6464 Night 301-658 6395

1973 Int 4300 series conventional cab tandem axle tractor 335 Cummins engine 22" tires, 10 spd transmission, wet line 196 ' wheel base AC, radio, heater, 19,000 mi since major overhaul, New clutch $9500 1974 Steco steel dump trailer 22'' tires, Reyco suspension, 5' sides, 2 way tailgate, $7500 1961 Steco dump trailer 22" tires Reyco suspension, 5' sides, barn door tailgate $3500 717 244 6703

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STK # 510 81' IHC 1854 C & C, 26,500 GVW, 18 ft. Body, P/S, P/B, Radio, Diesel Eng., 1000x20 Tires.

STK # 615 81' IHC F2275 Tractor, Tandem Axle, Cummins 300, 9 Spd. Trans., P/S, A/C, 1000x20 Tires, Radio, Sliding 5th Wheel.

STK #290 81' IHC COF9670 Tractor, 89" Sleeper, Tandem Axle, Cummins NTC400, 13 Spd., 40,000 lb. rears, Custom Int., 2 Tone Paint, 1000x20 Tires

STK # 875 82' IHC 1954 C & C, 28,000 GVW, 18 ft. Body, DT466 Diesel, 5 Spd., P/S, P/B, w/c Mirrors, 1000x20 Tires, Rein. Frame

STK # 764 80' GMC 6000 Series w/14 ft. Van Body, V8 Eng., 4 Spd. Trans., 2 Spd. Rear., 825x20 Tires, 19,200 GVW

STK # 121 81' GMC HD J8C042 C & C 30,000 GVW, For 20 ft. Body, Frame Rein., 3208 Cat., 5 Spd., Trans., 2 Spd. Rear, P/S, Radio, HD Sups.

STK # 949 81' GMC 20 ft. Rollback, 27,500 GVW, V8 Gas Eng., 1000x20 Tires, P/S, P/B, 5 Spd. Trans., Delta Rollback

STK # 848 81' GMC C6D042 C & C, 8.2 Liter Diesel, P/S, 23,160 GVW, Radio, 900x20 Tires, 5 Spd. Trans.

STK # 937 81' GMC C7D042 C & C, Diesel Eng., 5 Spd. Trans., 2 Spd. Rear, P/S, P/B, 27,500 GVW, 16 ft. Body

STK # 354 81' GMC C7D042 C & C, 205 HP Diesel Eng., 18 ft. Body, 1000x20 Tires, P/S, P/B, Radio, Frame Rein.

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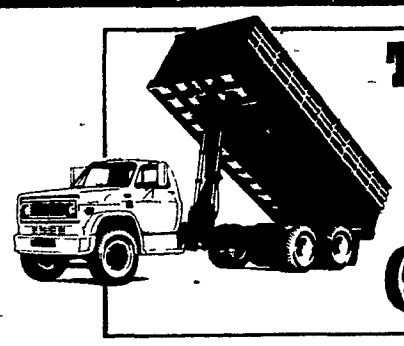

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1979 Ford F150 Super Cab, 400 V8, 4 Speed, PS, PB, Lockout Hubs, 6400 GVW, 34,000 Miles..... **$7495**

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1978 Ford F250 Ranger XLT, Crew Cab, 400 V8, Auto., PS, PB, Air Cond., Tilt Steering, AM-FM & Cassette, Lockout Hubs, 35,000 Miles, 6½ Ft. Bed.. **$7895**

1978 Chevy Blazer, 350 V8, Auto., PS, PB, AM Radio, Posi-Rear, 2 Tone Paint, White Spoke Wheels..... **$5995**

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1980 Ford E150 Cargo Van, No Windows, 6 Cyl., Auto., PS, PB, AM Radio, Long Wheel Base, 27,000 Miles..... **$6495**

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1980 Chevy Suburban, 350 V8, Auto., PS, PB, Air Cond., AM Radio, 2 Tone Paint, 29,000 Miles..... **$7495**

1979 GMC Jimmy, 2 Wheel Drive, 305 V8, Auto., PS, PB, AM-FM-Stereo, Rally Wheels, High Sierra, Black, 29,000 Miles..... **$5995**

1979 Ford F150 Super Cab, Ranger, 351 V8, A, PS, PB, Air, AM-FM, 2 Tone Paint, Bench Seat in Rear.. **$6995**

1979 Ford F250, V8, Auto., PS, PB, AM Radio..... **$5295**

1979 Ford Ranger F100, 302 V8, A, PS, AC, AM-FM Radio, 17,000 Mi..... **$5995**

1979 Ford F150 Custom, 302 V8, A, PS, PB, AM-FM, Radio, 17,000 Mi..... **$5695**

1979 Chevy C20, Crew Cab, 350 V8, A, PS, PB, Air Cond., AM Radio, 34,000 mi..... **$6995**

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1978 Chevy C-20, 6 Cyl., Auto., PS, PB, AM-FM Stereo & Tape..... **$4995**

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40 x 12'9" insulated utility potato trailer, wood floor, slider on 22" tires

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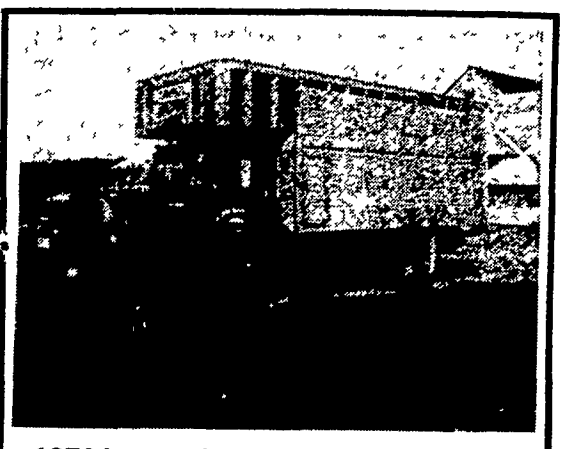

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I need good healthy, clean, pure & mixed breeds 6-8 weeks old. Offering extra high cash prices. Baskets of cash waiting for you!

*** Specially Needed ***
Boston Terrier Pups - $75 each - As well as Collies & Shepherds

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Tuesday's 5 PM - 8 PM

P.S. $100 prize for the cutest pup purchased Tuesday, December 8

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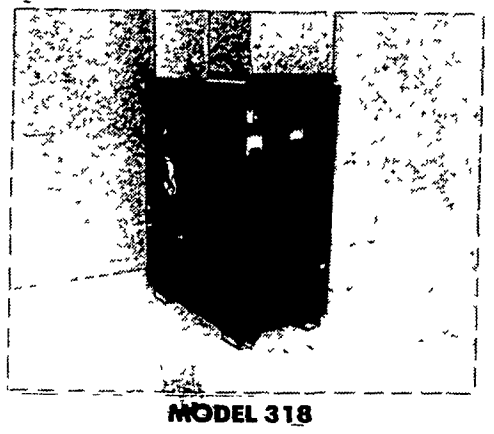

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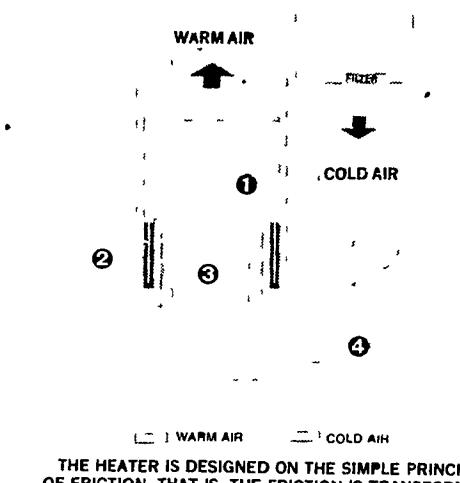

THE HEATER IS DESIGNED ON THE SIMPLE PRINCIPLE OF FRICTION THAT IS, THE FRICTION IS TRANSFORMED DIRECTLY INTO HEAT

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Closed carriage, shag interior (tan), front brakes, needs paint job, $1000 A K King 1241 Gypsy Hill RD Lancaster, PA 17602

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NI 206 manure spreader, used 2 yrs 6 yr old gelding Morgan Standardbred Lots of life & has been worked in field 717 483 6953

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Wire animal cages Farm couple will make any size cage real reasonable Can ship Wholesale inquiries welcome 717-349 7610

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Wanted Paper contents of old business files or warehouses Quick cash and fast pickup 717 393 4336 evenings

Holiday treats, mincemeat, mosaic fruitcake and crocked fruit recipes Send $1 50 to J Groff, Box 128, Honey Grove, PA 17035

'54 Chevy flatbed 14' w/3' side racks, runs good, $600 or best offer Wheelhorse riding mower just rebuilt $950 Gas tanks w/pump $250 or best offer 2 cylinders 1 16" stroke, 1-6" stroke $40 each, or $70 for both 1 black Angus bull Very nice $550 1-Fall Machine Emco zig zag built in buttonhole & cams, $150 717 284 2322

Wanted 3 pt circular wood saw in good shape State price in letter Write - David R Stoltzfus, RD 2, Box 249A, Wanner Rd , Narvon, PA 17555

9 Day 50 cents yd Fabric Sale Dec 9 to 18 Open 9 to 4 in Kirkwood at Kirkwood Fabric, Lanc Co 30,000 yds Dress, Drapery and upholstery Fabric, 50 cents yd , button 40 cents cupful, zippers 4 cents each Many more items After Dec 18 we will be closed until? Also auction Dec 18, 12 noon, Fabric, New Tools, Thread, Buttons, Elastic Many more items

Wanted Church benches & pulpit 717-866-2496

For Sale 50 kw alternator w/Deutz diesel, $7000 Also Quincy 10 hp air compressor double stage, $1200 1000 gal air tank, $800 2 cylinder 34 hp Hatz diesel, looks & runs like a Deutz , $2200 Hobart 300 amp mig welder, 3 phase current, $1200 717-935-2056

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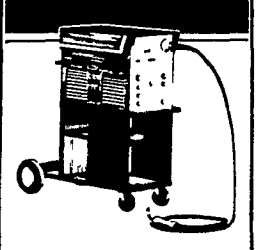

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The Dairymens Dream - Just entered the buyers market Beautiful Quonset Conventional block barn, 80 tie stalls w/pipeline 800 gal tank, heifer barn for 60 head Machine shed 3 silos w/unloaders Nice 5 bedroom home, 2 full baths, 240 ac total, 175 tillable, level, bottom silt loam soil Located in Madison Co , NY Bare-Price $385,000 00 Existing mortgage $220,000 00 w/cows and mach $595,000 00 Bates Real Estate, Inc , Earlville, NY 315-691 3011 For Appt Call Joe Bono 315 893 7912

48 ¾ acre farm in Krailtown, Washington Twp , near Wellsville 8 room house, 48x56 barn, and other buildings 717-764-3779

For Sale - 110 acre farm, Lykens Valley, Dauphin Co. possible financing available 717-362-9233

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301 996-2022

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds 717-394 3047 or 717-626-1164

For Sale Perry County, 1 to 8 acre woodlots, approved. PH 717-438 3115.

Nice little 58 acre farm for sale in Juniata Co 717-527-4093

For Sale - Farm, Perry County, 221 acres, house and barn 717-438 3115

North Baltimore Co.
100 acre farm with southern exposure, 65% tillable, has large barn and silo and outbuildings, some financing available with possible MD farm preservation participation $2000 per acre More land also available 301-343-0713

Tioga County 65 acre farm with stream, barn, new slaughter house Ranch style home with 3 bedrooms, 1½ baths, 2 car garage 717-724 3768 Call 717-724-3853 evenings and weekends

For Sale by owner 240 Acre farm in Juniata Co Call 717-436-8309 After 5 PM

FOR SALE BY OWNER, 60 acre Berks County Farm Up to date poultry house for 35,000 layers (now on contract) Also good horse facilities for the serious horse breeder Farm house, 2 mobile homes, 2 wells, stream, quiet rural setting Only serious inquiries No brokers $390,000 (215) 562-7776

211 Acre Dairy, 100 tillable, 51 cow barn, 2 silos, 900 gallon bulk tank, remodeled 4 bedroom home, 1½ bath, 3 ponds bordering State Game Lands Norwich, NY 607 334-8535

REAL ESTATE

7+ fertile acres farmland commercial, house/store, paneling, volume well, barn, shed, 1100' adjacent Rt 13 Canterbury, south of Dover, Delaware, U-pick, livestock, home sites, stores, horse/tractor opportunities $3000 yearly rental Suggest purchase price and payments, subject to approval Mulch Layer/Transplanter Dealer/Owner 609 881 7023 early morning, late evening Friendly Phil Gardiner, Glassboro, NJ 08028 Clip & Save Ad!

For Sale by Owner 119 acre farm in Union Co 100 tillable acres equipped for beef and hogs 717 922-1410

For Sale - 33 acres in central Pennsylvania bordering Penns Creek by 2280 approximate feet including 4/10 mile road frontage $50,000 717-922-1410

Wanted to Rent Barn w/access to water and pasture for cattle Downingtown-Honeybrook area 215-269-3748 leave name and number

2 story remodeled farm house, large barn, machine shed w/hay storage, hard road frontage, 2 wells w/10-25 acres available in Martinsburg West Virginia area Ground is all tillable 304-725-7147 or 304-725-9150.

Wanted - Small crop farm with modern home Please include price, taxes, commercial possibility etc Reply to Box 366 J 207, c/o Lancaster Farming, Lititz, Pa 17543

120 acres w/heifer barn and house Tioga Co 717-549 6001 after 8 p m Mon -Thurs

For Rent - 4 bedroom farm house west of York, newly decorated, fuel oil furnished, references and security deposit, $325 per month plus utilities Available Dec 16 Prefer retired person or teen age boy to work on farm STUMP ACRES 717 792-3216 York Co.

Farm for rent, 138 acres, with pipeline and silo 814-239 2593

94 acres, 80 tillable in Path Valley Franklin Co PA Large stone house in excellent condition, large barn for dairy or beef Easy access, three miles from turnpike Hunters paradise Assumable low interest mortgage to qualified buyer Must sacrifice 717-248-2120

51A Berks County by owner Pond, Stream, Fenced, 20 Tillable, 1780 Stone Colonial, Small Barn, Outbuildings, $140,000 No Brokers 215 367 8194

250 acre farm in Kentucky, Grade A milk parlor $100,000 814-237 4608

For Sale - Operating stock and equipped dairy farm located in heart of beautiful Dairy Valley in Central New York Mostly all river valley land with 4-5 cuttings alfalfa, choice of milk markets Excellent 80 V-tie stall pipeline barn, Machinery shed and heifer raising facilities Eleven room house Must see Phone 315-495 6560 for details

FOR SALE - Steuben County, New York State Finger Lakes Region, 237 acre farm, completely restored federal style five bedroom home with attached garage and workshop, brand new L-shaped barn plus other older outbuildings, 110 acres tillable balance wooded, valuable gas/oil lease included $145,000 with excellent terms available Hauryski Real Estate, 16 West William Street, Bath, New York 14810 Phone 607/776-7150

For Rent 4 room house, middle aged couple, nice yard and parking Neffsville, Lancaster Co , 717-569 1170

REAL ESTATE

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Bank Barn-with free stalls, trench silo, corn shed, and milk house 2 story brick dwelling with two living units. Formerly owned by George E Sensenig, Jr and Deborah A Sensenig, located in Township of Londonderry, County of Dauphin, Commonwealth of Pennsylvania

BID DEPOSIT - Bid must be accompanied by cash (sent at bidder risk), certified check, postal money order, or bank money order payable to the Treasurer of the United States, for at least 5% of the total bid

RATES AND TERMS Cash, or terms of not less than a 5% down payment with the remaining balance amortized over a period not to exceed 25 years at 15% interest

TERMS OF SALE Contact County Supervisor, Farmers Home Admin 528 East Penn Ave , Cleona, Pa 17042 for appointment to inspect the farm Sealed bids are invited and will be accepted until 9 00 a m EDST, December 8, 1981, at the FmHA address, and will be opened publicly at 11 00 a m EDST the same date and place The Government reserves the right to reject any or all bids This farm will be sold without regard to race, color, religion, sex, age, national origin, or marital status

Bid Forms and further information may be obtained at Farmers Home Administration, 528 East Penn Ave , Cleona, PA 17042 Phone (717) 274 2879

PUBLIC NOTICE
THE FARMERS HOME ADMINISTRATION HAS FOR SALE, FROM TIME TO TIME, RESIDENTIAL AND/OR OTHER PROPERTIES ANY LICENSED REAL ESTATE BROKER INTERESTED IN LISTING THESE PROPERTIES SHOULD CONTACT THE FARMERS HOME ADMINISTRATION AT 528 EAST PENN AVENUE, CLEONA, PENNSYLVANIA 17042, TELEPHONE (717) 274-2879

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50 Acre Poultry Farm in Perry County, PA 35,000 layers, 4 year old completely automated chicken house Large bank barn with stables and riding ring New Alcohol still Remodeled log home. Additional income possibilities and development potential:
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REAL ESTATE

100 acre farm, lg barn and apartment, stone home, zoned industrial, excellent land, could be bought with 80 acres and no buildings, must be sold Call-look-and make offer Hayes Octorara 215 857-2141

For Sale 43A Farm, mostly iron stone soil, four bedroom house, running water, along Oaklin Drive and Yellow Hill Road, Brecknock Twp , Lancaster Co $155,000. Some financing available, low interest Menno Shirk, RD #2, Brown Road, East Earl, Pa 17519

Custom built brick rancher, three bedrooms, three full baths, large livingroom with fireplace, finished basement with wet bar, 6' sauna fireplace Air conditioning central vacuuming, intercom throughout, 20 x 40 inground pool, 8½ acres, barn, all fenced Northampton Co $128,000 215-767-3979

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses Write Dept LF-11, WEST REAL ESTATE AGENCY, INC , 5528 William Flynn Highway, Gibsonia, Pa 15044

THE PRICE IS RIGHT!
Troy, Pa. School District, 170-acre farm with creek & springs, 10-room & bath home, 2-car garage, barn with 22 stanchions, poultry house, maple grove, possible seller financing terms, No B-7801 WEST REAL ESTATE AGENCY, INC , Office 12 Canton St , Troy, Pa 16947, Phone (717) 297-4046 or 297 2777

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105 acres All tillable Includes house, dairy barn, silo Delta, PA (York Co south of Rt 372)
Owner
305 781-1760
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REAL ESTATE

Dairy Farm for sale, Bradford Co 217 acres, new double 6 Bou matic milking parlor, new bulk tank and thermostores, dairy barn holds 60 cows, tie stalls, dry cow and heifer barn, 25x60 machine shed, 2 ponds, 2 story home, new steel siding and roof, 4 bedrooms, 7 rooms downstairs remodeled inside, home overlooking lake Call anytime f717 888-9312

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Farm Price Greatly Reduced, plus Seller May Finance at 9½% Interest

T[illegible] a bargain at this p[illegible] and terms Farm includes 20 170 acres, as many as you need, 3 year old pullet house, hog barn, large farmhouse in good cond No reasonable offer refused Call Bill Snader or Jason Rutter at

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FARM FOR SALE SNYDER CO. PA.

122 A (approx) 60 A tillable 55 A good timber and meadow w/stream Nice 2-story 2 family home early possession Owner financing possible
717-658-3352 or write
RD 2 Box 50
McClure, PA 17841

Elk View Farm MD Eastern Shore

175 acres, 158 til, barn, loafing shed, machine shop and work shop, over mile road frontage $490 000

Farm

77 acres block barn, loafing shed, silos, 4 car garage with 4 rm and bath apartment, $190,000 Possible owner financing

[illegible]NGNER REALTY
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GREEN ACRES REALTY CO.

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First Time Offered

#1 - "94 ACRE HOG or BEEF" 70 acres tillable; balance woodland & pasture. 1½ story brick dwelling, barn, wagon shed, spring. $124,900.

#2 - "157 ACRES" close to Ickesburg. 65 acres tillable; balance pasture & woodland. 7 room, 1½ bath frame house. 56x36 barn, chicken house & wagon shed. Possible owner financing.

#3 - "50 ACRE HORSE FARM" 3 large paddocks, pond, barn, 2½ story remodeled home. $119,500.

#4 - "70 ACRE HOGS or BEEF" 1½ story frame house. Barn and wagon shed. Asking $90,000.

#5 - "SECLUDED WOOD TRACTS" Excellent deer & turkey hunting. 5 to 14 acres $8500 to $19,900. Sales agreements.

ST. LAWRENCE VALLEY

OWNER RETIRING...165 Ac. 100 T. T Barn, Silo, 2 Springs, Borders creek, House in excellent condition, All Equipment included for dairy farming. Price $115,500. Owner financing possible.

$140,000...130 Ac. Equipped dairy farm, close to college town. Owner financing.

725 Acres, large flat meadows, suitable for haying, other crops, development, several acres of large mixed hardwood & pine, borders creek. Can be divided. Small downpayment.

LODGE... Excellent hunting, fishing in area. Lodge is in excellent condition, gas lights, spring water. $35,000.

FOURNIER REAL ESTATE

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62± acre general farm, private setting, large, 12 room home, coal or oil heat 30x60 bank barn, 35 tillable 15 pasture 10 wooded Possible owner financing 25% down 12% interest $79 000

Ringtown Valley, 176 acres, lg gravity water supply to house, barn and pond, vegetable or crop farm, 88 tillable, balance wooded, bank barn, 7 bedroom house, possible owner financing at 10% $150,000

Lykens Valley 160 ± acre operating dairy farm, new 40 stanchion barn plus 40x100 hay storage barn, new 20x70 silo stream borders large 6 bedroom home secluded $350,000

Plain Acreage

49 acres secluded but near I 81 15 tillable, balance wooded, some timber excellent deer hunting, possible terms at 12% interest $39,000

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Real Estate
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NEW YORK STATE

BEAUTIFUL FARM - 400 Acres, flat land 4 cuttings alfalfa, all bldgs. in top condition 2 Harvestores, 2 houses. 400 head of registered Holsteins. Big line of equipment, large financing. $850,000 Complete

255 ACRES - Honeye soil, flat land, good location, 80 cow conventional barn, very good house, other bldgs 120 hd. of cattle, large line of equipment This is a top farm! Owner retiring, good financing - $503,500 00

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FARMS FOR SALE

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Berks County 23 acres w/6 BR stone house in excellent condition, barn and outbuildings and guest house Best use would be steers, sheep or horses. $156,900.

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PICTUREBOOK REGISTERED HOSLTEIN OPERATION: 189 acres of well-improved, nice-laying soils, 130 tillable Pretty red barn with 35 ties (4 foot plus), Patz hi-flite cleaner, 16x45 silo w/unloader, new vacuum pump 25 large heifer ties All natural woodwork & hardwood floors in stylish Early American home You'll be proud of this one! Priced sensibly at $137,500 CALL SLOANSVILLE OFFICE AT 518 875 6355

SOUTHERN NEW YORK OFFICE

LAKE COUNTRY FAMILY FARM for small family, 152 acres gravelly loam with village water Very good barn for 27 has cleaner new 14x40 silo w/unloader cleaner 2nd barn for expansion Excellent colonial home is historical landmark Complete with cattle & machinery $180,000 negotiable terms CALL TRUMANSBURG OFFICE AT 607-387-9303 FREE CATALOGUES

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SAME FAMILY'S SHOWPLACE FOR 145 YEARS! Bad back forces sale of this 375 acre alfalfa farm with 240 tillable Beautiful barn ties 94, has 2" pipeline 2 concrete silos, 2 Harvestors w/roller mill Room for expansion New 40x100 machine shed Paved & covered feed bunk Stately Federal home with circular drive 93 Holsteins 3 lrg tractors all top machinery $410 000 terms Call GOUVERNEUR OFFICE AT 315 287 4163

WIDOW SAYS SELL!! This farm should definitely sell for more, it has 288 acres 150 tillable 108 pasture Eye catching highway location Very good barn milks 50 has Patz cleaner newer 14x50 silo w/unloader 40x80 pole barn Home is in mint condition offers birch kitchen knotty pine dining room new furnace natural woodwork, hardwood floors 3 car garage Has fed 100 head Even with low price owner will dicker! $125 000 with terms FOR APPT CALL 315 769 9380 or GOUVERNEUR OFFICE

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28 Ac. gen. nice setting, all till. $69,000
108 Ac gen, stream, Danville $97,000
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128 Ac dairy Northumberland $200,000
103 Ac. orchard setup Snyder $275,000

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100 Ac. gen. farmer's farm $149,900

NORTHUMBERLAND CO.

100 Ac. gen., fine bldgs. $225,000
105 Ac. gen. steer $133,000
10 Ac. veal set-up, orchard $50,000

HUNTINGDON CO.

178 Ac. near Raystown Lake $199,000

CHESTER CO.

242 Ac productive, nice bldgs. $1,200,000

ADAMS CO.

114 Ac. beef, hog, stone house. $227,000

Several Tracts of Woodland would make nice retreat Snyder & Mifflin Co.

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77 acre operating dairy farm with 46 holstein sized stalls. Over 50 acres tillable with lush pasture and strong stream, asking $3,500 00 per acre

128 acre dairy farm needing modern dairy stable improvements, with 5 bedroom 2½ story brick farm house and frame tenant house. Approximately 110 acres tillable with good pasture and stream $3,500.00 per acre.

MANY OTHER LANCASTER COUNTY DAIRY, BEEF & HOG FARMS AVAILABLE

YORK COUNTY FARM

MAKE US AN OFFER!
on this 133 acre farm near Brogue. Featuring good buildings, private setting, valuable timber land and nearly 65 acres tillable land

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Owner financing best buys today.

85 acres, $93,500, 7 room house, oil heat, 4 bay barn, other buildings, stream, road frontage, 12½ percent. You can afford.

117 acres, 8 room house with oil heat, 4 bay barn, road frontage, creek frontage. Great terms. 25 percent down, 12½ percent interest. Now is the time. $145,000.

Ask for Jerry Frey 717-898-8441

Warren Weaver Inc. REALTORS

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Priced To Sell — Priced To Sell

THE SETTING CAN'T BE REPLACED - Farm in the Eastpoint area of Tioga County, Pa. Near Liberty. 48+- acres with tillable, pasture, woods & large pond Excellent beef, horse, or heifer barn w/new paint & roof. Large 4-5 bdrm. farmhouse & bungalow for help or rental Just $67,500. Terms M-285 PH: 717-662-2138

HUNTERS DREAM - 80 acres mostly wooded in the heart of Tioga Co. Great hunting for deer, turkey and grouse. Owner terms 20% down 11% interest 20 years with 10 Yr. balloon. Only $34,000 w-564 PH: 717-724-5921

90 ACRE FARM - 54 acre apple trees, business opportunities for an agressive enterprise. House needs some remodeling. Orchard equipment in good condition. For the young tiger. Only $112,000 W-592.

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Owner financing, 96 acre abandoned farm half wooded, rest native pasture Some timber, springs & pond site Excellent deer and turkey hunting Old restoreable house #236 $38 000

Owner Financing, 145 acre dairy stock or cash crop farm Both sides of Rt 15 w/cattle under pass 45 acres river bottom land woods fields and pasture 7 room frame house 4 bedroom Large dairy barn tobacco shed tool shed all in excellent condition Park like setting on Tioga River #219 $125,000

All mineral rights on both properties 140 day growing season

Southern New York, Steuben County

L E W REAL ESTATE

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OUTSTANDING FARMS
CENTRE COUNTY

99 ACRES 13 miles from State College ½ mile good access frontage on two sides of State Route 64 Level, high fertility, Hagerstown soil Ideal development property 2 story frame dwelling modern kitchen, 9 rooms, 2200 sq ft living space Large 2 story bank barn with attached loafing shed, 3 silos, large farrowing pen, machine storage and slaughter house with "walk in" cooler, metal drying bins all in good condition Central water Asking price $195,000 00 seller financing available

157 ACRES all open, complete modern beef cattle operation Hagerstown soil, high fertility, Ph 7 2 Macadam road frontage, 2 dwellings, two story, good condition 40x90 two story barn with automatic bunk feeders Modern 40x80 feet breeding barn with large oak fence corrals and holding area Three concrete stave silos, concrete block machine sheds and storage buildings Good fencing Asking $285,000 - seller financing

103 ACRES level all open, high fertility, Hagerstown soil, Ph 6 8, macadam road frontage, two story nine room dwelling, 1800 sq ft , two story 45x84 wood bank barn, 18x55 Ribstone silo with unloader, storage and other buildings Present use beef, could be converted to dairy Located ¼ mile from above described farm Asking $195 000 - seller financing

FOR INFORMATION CONTACT.
Miles Clevenstine
814-383-2755

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JUNIATA COUNTY

27 acre farmette. Modern masonry house, bank barn, stocked farm pond Call Mr Crawford

PERRY COUNTY

109 Acres Woodland. Call Mr Orris

30 acre farmette. Good buildings Spring and stream Call Mr Orris

40 Acres Land, 17 wooded, 1300' road frontage Call Mr Benner

CUMBERLAND COUNTY

147 acre hog and beef. Brick house, barn & silo Call Mr Niesley

SNYDER COUNTY

21 acres wooded land, 1500' frontage Call Mr Benner

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PENNA FARMS
CUMBERLAND CO.

161 A. GENERAL

Level sandstone soil, 10 room stone & aluminum house, large bank barn. OWNER FINANCING.

HUNTINGDON CO.

166 A. DAIRY

Spacious brick rancher with attached office & 2 car garage, bank barn, implement storage, timber, stream, road frontage, plus 1 room brick school house.

144 A. DAIRY

Gently rolling land, 24 tie stall barn with 6 unit Surge pipeline milker, 1000 gallon tank, stable cleaner, silos, 90 free stall barn with 100' feeder, additional heifer barn. New 10 room house ready for today's dairyman.

136 A. DAIRY

Bank barn, 20 tie stalls, 300 gal. tank, silo, stream & road frontage - Trough Creek Valley.

PERRY CO.

106 A. DAIRY

Bank barn, 30 tie stalls, 2 silos, no dwellings.

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Charles Wenger, GRI, 263-0945
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Ph. (717) 243-6195

LAKE COUNTRY FARMS:

80 Cow Operations, Owner Financed: All Pipeline System:

256 acres, 210 tillable, 82 conventional barn, 2 houses, excellent buildings, Honeye Lime soil $360,000 bare

255 acres, 180 tillable, 80 tie cow, showplace, extra 40 cow barn. $310,000 bare $490,000 complete.

240 acres, 200 tillable, level land, 80 cow barn, has heifer facility, 2 houses Most modern farm we have. $330,000

500 acres, 300 plus tillable, averages 150 bushel corn for several years Complete with 80 mature cows, 18,000 lbs. average 2 houses worth over $75,000 each Outstanding heifer facility One of the best in nation Call on this one

30 to 65 Cow Operations:

240 acres, 140 tillable, top soil, 36 cow barn with pipeline, good house, $140,000

177 acres, 130 tillable, complete with 40 high producing Jerseys, good machinery Owner retiring, no heirs $210 000 complete

160 acres 100 tillable good 47 cow barn, new pipeline, 3 silos with unloaders, 2 houses $175,000 bare, owner finance

228 acres, 116 tillable, Class I soil, excellent 50 stanchion barn, $45,000 house, gas heat Owner wants an offer, bare or complete

240 acres, 175 tillable, rents 100 more, 65 tie stall barn, 3 silos, Hydro-Ram manure storage for one year Two family house Try $275,000

Our Opinion We have the largest listing in Finger Lakes and we sell for less Our policy We don't charge over 6% on any farm, large farms pro-rated Compare

Call
LAKE COUNTRY FARMS
Harry Pettingill, Jr. Broker
Seneca Falls, N.Y.
Phone 315-568-9708

CHESTER COUNTY
WESTERN SECTION

65 acre farm mostly fertile tillable land with 4 bedroom stone home. 3 room tenant house. Large bank barn. Silo. Stream. 2 ponds. Home has L.R , D.R., Family size kitchen with walk-in fireplace.

124 acre operating dairy farm with 82 stanchion barn 3 silos with unloaders, gutter cleaners, pipeline milker, 1200 gal. bulk tank. Main house is stone with 2 living units. Modern 3 bedroom tenant house Call for details.

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SOUTHERN LANCASTER COUNTY: 16 acres, 15 tillable, renovated stone farmhouse, 2 car garage, frame shed 20'x38' Would make ideal truck farm

LANCASTER - CHESTER COUNTY BORDER: 390 acres prime farmland, 80% tillable Would make 5 or 6 nice Amish farms Seller financing

SOUTHERN CHESTER COUNTY· 171 acres operating dairy farm, bank barn with 50 stanchion cowstable, pipeline, 12'x50' concrete silo, four bedroom house

CHESTER COUNTY 88 acre steer and hog farm, large bank barn, steer barn 10'x50' and 20'x80' concrete silos Five bedroom house

CHESTER COUNTY. 228 acre dairy farm, 80% tillable, 2 houses, one barn Near New Amish Octorara School Seller financing

SOUTHERN CHESTER COUNTY· Oxford area, 5+ acres, good bank barn, small stables, stream on property You couldn't replace the barn for the asking price

RISING SUN, MARYLAND: 84 acre dairy farm, 2 houses, bank barn with 38 comfort stalls, great land Seller financing

RISING SUN, MARYLAND· Dairy farmers if you could build yourself a farm from the bottom up, you couldn't build one much nicer than this 180 acre CECIL COUNTY 5 STAR FARM

* The land lays about as nice as it could
* The barn is a modern work center with double 6 milk parlor, 4000 gal bulk storage tank, badger ram manure system
* Silos (1) 20'x60' Harvestore (1) 20'x70' Crop store, (1) 20'x60', concrete stave
* Gracious family living in the completely renovated maintenance free farmhouse with in ground swimming pool
* Located within a short drive of the best goose hunting and inland fishing on the East Coast

This would be an outstanding farm in any state

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215-932-3092 215-869-3440

FARMS FOR SALE

Chester County
Near Oxford

68 acre General Farm
190 acres Dairy Farm 150 acres tillable, A choice farm
50 acres General Farm
60 acres General Farm
90 acres Dairy Farm
61 acres extra nice level good productive land, no buildings
7 acres stone house, tenant house, large beef cattle barn
90 acres bare land, good productive level and no building

Lancaster County

123 acres large steer operation and poultry houses for layers, large barn, tobacco shed, and out buildings, nice brick home, bath, conveniences, also tenant home

Centre County
Near Lamar
Route 64

101 acre Dairy Farm Price reduced less than $1500 an acre Owner financing Terms 25 per cent 1st year, 10 years 10 per cent interest

Some of these farms are owner financed to qualified buyers Possession on all farms on or before April 1 1982

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PROPERTIES FOR SALE

★ **DAIRY...140 Acres...3 Silos!**
★ **DAIRY...128 Acres...Lg. Stone Home!**
★ **DAIRY...153 Acres...Terms!**
★ **DAIRY...118 Acres...Terms!**
★ **DAIRY...223 Acres...Terms!**
★ **GENERAL & WOODLAND...235 Acres ...Low Price!**
★ **FARMETTE...15 Acres...$100,000!**
★ **GENERAL...50 Acres...5 Bldgs...Terms!**
★ **GENERAL...140 Acres...Terms!**
★ **MODERN BEEF...60 Acres...Terms!**
★ **LAND...90 Acres...Terms!**
★ **LAND...40 Acres...$65,000!**

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Top selection of dairy and other farms in Central N.Y.

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REAL ESTATE

SOUTHERN MARYLAND PIG FARM

Completely equipped 115 acre farm to raise and finish 2400 pigs yearly, 80,000 Bu. grain storage, good location near Chesapeake Bay - call or write for details -

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BERKS COUNTY FARM FOR SALE

150 acres at R D #1, Myerstown, 85 acres of cropland in a high state of cultivation presently being tilled for small grains and soybeans This would be an ideal farm to irrigate because it has 2800 ft of frontage along the Swatara Creek The balance of the land is hardwoods and meadowland. 2½ story farmhouse summerhouse, old barn which needs repairs, hard road frontage $205,000 Call Nelson Ebersole 717-867 4487

SUBURBAN REALTY
30 W. Main St
Annville, PA 17003
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REAL ESTATE

BE YOUR OWN BOSS WITH THIS DAIRY SETUP

40 acres, good outbuildings, large frame house, 20 Holstein dairy cows, bulk tank and milking equipment Priced at $125,000 Snyder County

717-837-0411

or write
Albert Becker, RD 1 Box 198
Middleburg, Pa. 17842

REAL ESTATE

FARMS & LAND

F1-33 DAIRY FARM, 100 acres, 60 tillable. Snyder Co. Single 8 herringbone milking parlor. Good buildings. 70 free stalls. 800 gallon bulk tank. Presently milking 40 cows Very nice 4 bedroom home. $170,000.

F1-26 Perry County, 180 acre general farm. Presently beef/calf operation. 4 bedroom 1½ bath house, owner financing available on $100,000. Full price is only $221,000.

LO-77 Wooded tracts in Juniata Co. Near McAlisterville. 10A & up. Underground utilities. $1200/A. Less for larger tracts. Generous owner financing. Cash discount Call Don.

F1-02 103 acre run down farm, log house, approx. 20 acres tillable, excellent hunting area. $69,000

FO-500 Not your average farm! Highly productive and excellent buildings to match. 2 story immaculate home. Inground pool. Presently beef operation but readily convertible to dairy. 112 acres. Columbia Co. $210,000.

Other Farms Also Available

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Tioga County

Land Mart REAL ESTATE

Lake Lot Property
On Sugar Branch Lake Estates in Tioga County. Pa 3 bedroom home extra large living area 8x24 Sundeck Lovely Spot Folks! #219 $40 000

Good Hunting Ground
25 acres all woods trout stream, rough cabin lots of white tail deer turkeys & small game The Price is Right! $16,000. #202

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Home Ph: 717-549-4173

STOCKED AND EQUIPPED DAIRY FARM

Over 300 Ac., 150 till., barn holds 60 head, 1000 gal. bulk tank, pipeline, barn cleaner. Good 10 room house. $164,000 assumable mortgage. $220,000.

GOOD LAND

This attractive farm has 157 A, 95 till., 55 cow tie barn, bulk tank, barn cleaner, 20x35 & 20x80 Harvestore silos, storage barns. Beautiful 2 family house. $235,000. Owner financing w/29% down. May be purchased stocked & equipped.

COME SEE AND SAVE

350 A farm, 150 till., 100 cow barn pipeline milker, 1000 gal. bulk tank, 2 large silos & all produce, 2 homes. Large assumable mortgage & much more. $165,000.

Send for free property list

McKEE REALTY
Roger McKee Broker
Main Street
Cincinnatus, NY 13040
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MAILBOX MARKET Advertising and SUBSCRIPTION FORM

will be found on Page B34

REAL ESTATE

Do You Want to Farm?

Then allow us to help you reach your goal. We can do this through several of our listings which have excellent owner financing.

100% financing on 139 acre dairy
#1 125 acre limestone general farm in Cumberland County. 110 tillable - 8 miles from Mennonite Church.

#2 Beautiful dairy with 60 stanchions and pipeline - barn 9 years old. 237 acres-180 tillable. Several equipment sheds and 20x70 silo. A real turn key operation in Union County.

#3 Open acreage in Lancaster County - 46 acres in high state of cultivation. Also another tract of 40 acres.

#4 Large fruit farm in Cumberland County with the possibility of five 10 acre lots.

#5 97 acres of woodland with Campsites and Operating Grist Mill. 10% owner financing.

Call for more information on these and other properties.

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717-898-8962

Longacre FARMS AND COUNTRY PLACES

DAUPHIN COUNTY
86 acre dairy farm (near Hershey), very good soil 80I, pasture, stream, features new 100 cow free stall w/center auto bunk feeder & drive thru feeding 20x70 conc silo w/unloader & conveyor system, 2 story bank barn w/25 tie stalls, also heifer & maternity area 800 & 400 gal bulk tanks, 2 car garage & shop, corn crib machine shed, lovely 2½ story home features large kitchen formal DR, LR & playroom 3 bdrms & bath 2 open porches Call for details **$360,000**

MONTGOMERY COUNTY
55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs 5 rooms with livingroom fireplace 5 bedrooms & bath 2 car garage, bank barn 2 machine sheds, corn crib silo & much more A very lovely setting, **$385,000 Reduced to $300,000**

BRADFORD COUNTY

NEW

81 acre dairy farm with lovely frame colonial with 10 rooms & bath 26 stall barn, barn cleaner, 2 story garage & out buildings $66,000

4 Acres w/lovely 2 story home kitchen DR LR 4 BR & bath, fruit & nut trees Asking $33 300

NORTHUMBERLAND CO
158 acre 971, General Farm lovely 4 bedroom home kitchen living room dining room & bath 2 story barn silo & outbuildings Also 2nd home w/eat in kitchen living room 2 bedrooms & bath, all for $158,000 #342

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt 100 Hereford, PA 18056
Ph: 215-679-5919

450 acre dairy farm 365 acres tillable Featuring 154 freestall barn with 2 bunk feeder units, double 8 Herringbone parlor with sick room, office, bath & milkhouse with two 1000 gal tanks Three 60 silos and one 20 x 55 silo with unloaders, 245 pole styled dry cow & heifer barn with drive through feeding Lovely 2½ story home with 11 rooms & 2 baths, 2 ponds All this & much more for $490 000 Call for details #311

SALES AGREEMENT

180 acre, 150 tillable, level land to gentle rolling, beautiful big new rancher w/fireplace, barn remodeled w/new addition 58 tie stalls, could easily add 16 stalls, bulk tank, dumping station 18x65 concrete stave silo w/unloader, heifer barn & machinery shed Located on macadam road Sets very nice, must be seen to appreciate All for **$225,000** Cattle & machinery optional Additional acreage available for rent

SUSQUEHANNA COUNTY
140 acre dairy farm, 95 tillable, gently rolling to almost level A picture clean farm operation with 42 stanchions, stainless steel pipeline, 2 box stalls, 6 calf stalls & enclosed spreader pit Two 20 x 40 concrete stave silos with unloaders, 650 gal bulk tank, 2 large poll sheds for machinery & heifers, frame 8 room 2½ story house, modern kitchen, 1½ baths, carport & patio Must be seen to appreciate $225,000 #324

NEW
437 acre dairy farm, 50 stall barn with pipeline, bulk tank, barn cleaner & 18x50 14x50 & 12x40 silos Heifer barn & machinery shed, shop & garage Lovely stone & frame Colonial home with modern kitchen, 8 rooms & 2 baths Also new second home with 5 rooms & bath Call for details $325 000

74 acres 671 features 106 comfort stall barn, 1000 gal tank, pipeline 89 free stall heifer barn, 30x70 concrete silo, solid 2½ story 4 bedroom home w/bath Asking $165 000 Also renting additional acres

BUCKS COUNTY - NEW
100 acres of level Limcum Bucks County soil, 951 features lovely 2 story double home w/11 rooms & 2 baths 2 story bank barn w/50 stalls 1 mi road frontage A good operating dairy farm $360 000

Lovely 2 story colonial home w/4 bedrooms 2 boxes 2 car attached garage beautiful landscaping 5 acres partly wooded picturesque setting $129 900 Additional acreage available

SNYDER COUNTY
101 Acre dairy farm features lovely home w/large kitchen, 1½ baths 4 bedrooms & laundry, 70 freestall barn w/box stalls, 8 stall Herringbone parlor, auto feeders, 20x60 concrete silo w/unloader, 40x100 pole building bank barn & much more ~~$180,000~~ Reduced to $170,000 #328

96 acre general farm, 60 tillable with nice 2½ story frame colonial double home 11 rooms, 2 baths, 2 kitchens, all in good condition Large barn set up for 10,000 broilers trout stream on property, good hunting & fishing area ~~$130,000~~ Reduced to $120 000 #307

188 Ac general farm w/68 A hard timber, good 4 bedroom home w/kitchen, LR & Bath, very nice laying ground & much more $175,000

JUNIATA COUNTY
REDUCED
160 acre general farm, 125 tillable, featuring lovely 2½ story 8 room farmhouse with country kitchen, 3 floor 15 000 bird broiler house, 100 x 80 bank barn & 30 acres box wire fencing Concrete silo & large bunk silo, good ground All for ~~$250,000~~ Reduced $210,000 #320

10 acre w/lovely Cape Cod 8 room & 2 baths full basement in a very nice setting, excellent for hunting or vacation home nice view, **$65,000 #283.**

COLUMBIA COUNTY
180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled Slightly rolling & level good ground ~~$225 000~~, make an offer, reduced $210,000 #310

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1981 Field Shelling Trial

Ivan Kauffman
Allensville, Pennsylvania

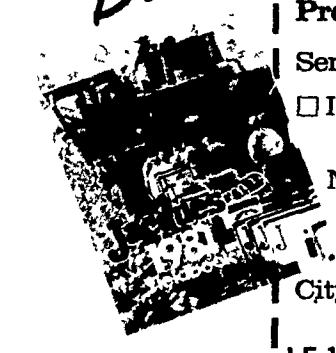
Planted: *May 9, 1981 in 30 inch rows*
Soil Type: *Limestone*
Fertilizer: *300 lbs 10-20-20 starter, 100 lbs actual N broadcast*
Insecticide: *13 lbs Furadan*
Weed Control: *2 quarts Atrazine and 2½ quarts Lasso broadcast*
Previous Crop: *Sod*
Harvested: *October 16, 1981 with a New Idea Uni-Harvester*
Comments: *The corn was badly lodged due to high winds and corn borer*

Brand	Variety	Plants Per Acre	% Lodging	% Moisture	Bu./Acre At 15.5%
Jacques	JX50	18 120	44 9	19 6	100 8
Jacques	JX97	21 010	23 8	18 8	108 0
Jacques	JX99A	20 480	19 2	16 5	113 6
Jacques	JX107	23 110	8 0	17 0	109 5
Jacques	JX122A	21 530	32 9	20 0	109 9
Jacques	JX124A	22 080	22 6	18 8	109 7
Jacques	JX127A	20,220	11 7	17.5	97 5
Jacques	JX147	16 540	20 5	18 6	98 6
Jacques	JX151	20,220	23 8	21 2	118 6
Agway	584S	21 530	24 4	20 8	99 0
Jacques	JX186	22 320	10 6	22 0	111 9
Jacques	JX177	20 480	29 5	21 2	113 1
Jacques	7780	19 960	10 5	25 2	123 5
Jacques	JX173	18 380	35 7	21 0	115 2
Jacques	WX145	19 960	69 7	17 4	99 4
Jacques	JX179	18 910	51 4	22 8	134 0
Jacques	JX180	17 330	34 8	26.2	119 8
DeKalb	XL 55a	20 740	58 2	27 8	103 6
Doebler	70XS8	20 220	28 6	25 6	96 4
Pioneer	3591	22 640	5 7	26 6	125 8
Jacques	JX197	18 910	13 9	26 4	110 7
DeKalb	XL-61	19 960	36 8	33 0	115 0
Hardy	301XS	20 220	36 4	25.2	97 3
Illgen	M6866	18 120	23 2	28 4	109 4
O's Gold	SX5600	20 740	20 3	28 0	118 7
Jacques	JX247	21 270	14 8	32 2	110 1
Agway	754X	21 010	46 3	27 8	110 5
O's Gold	SX5353	21 790	57 8	29 0	101 9

Jacques

. . . Just say Jakes

*Pioneer and DeKalb are brand names. Numbers designate hybrids.



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USDA small farms forum provides answers and ideas

BY DONNA TOMELLEO

BELTSVILLE, Md. — Good news recently surfaced for small farm enterprises.

First, it appeared in the form of a special symposium last month sponsored by the USDA's Agricultural Research Service which presented research on future and present-day small farms. The second indication arrived during the symposium's banquet when a presidential messenger delivered President Reagan's personal support of the small farms program.

Small farms, thought headed for extinction in the 1950's and 60's, are making a strong comeback, reported USDA coordinator for small farms research in the Northeast, Howard W. Kerr Jr. Kerr said small farms in the Northeast are expected to increase 17 percent in the next five years.

"The family farm is here to stay," Kerr noted, following the results of his two-year survey. Kerr polled 70 county agents in a 12-state region which ranged from West Virginia to Maine. The USDA coordinator reported that 42 percent of the farms included in the survey were small farms. In some states, notably New Hampshire, Rhode Island and West Virginia, fully 60 percent of the farms were considered small.

Kerr identified a small farm operation with the following criteria:

- Family net income from all sources (farm and nonfarm) is below the median nonmetropolitan income of the State.
- The family is dependent on farming for a significant, though not necessarily a majority, of their income.
- Family members provide most of the labor and management.

Much of the increase in small farms has occurred around large urban areas, Kerr said. Large dairy farms which liquidate are being covered to 10 to 15 acre lots. Often at least one member of the family has a job off the farm. For some small-scale farmers who travel considerable distances to off-farm jobs, the survey indicated that increasing costs of commuting may cause them to abandon farming.

Ironically, the same factors—energy shortages and travel costs—may help the small-scale farmers by turning consumers to local sources for their vegetables, berries and other foods.

Among potential income-producing commodities, Northeast small farms are favoring the following: horticultural crops—sweet corn, tomatoes, apples, strawberries; and animal production—beef cattle, sheep, goats and hay forage crops. Strawberry production is especially prevalent on small farms and will continue to gain importance, Kerr noted.

The 600 symposium participants represented a diverse group including farmers, scientists, government officials and business people. Kerr noted that many participants expressed a high interest in sheep operations.

At the close of the 3-day symposium, most researchers were in agreement that the agricultural pendulum swings both ways. Researchers and surveyed county agents expressed concern that research and technology benefitting the large commercial farmers should be adapted for the small farmer.

"Bigger is not always better. Many of these small farms will continue to be part-time operations. We need to gear programs accordingly," commented one of the 70 county agents polled.

Another agent suggested, "I feel that most technology in the production area that enhances commercial farm operations can trickle down and be applicable to small farms."

With fuel and shipping costs on the rise, family farmers in the Northeast will play an important role in supplying fruits and vegetables to consumers in their own region. Farmers market, like the District of Columbia Open-Air Farmers' Market, provide these farmers with a direct market outlet to consumers.

Norris calls for national small farms program

Control Data Chairman William C. Norris called for a major national program to assist small family farms. The central elements in his proposal were a redirection of federal and state agricultural research funding and a set of legislative initiatives.

Control Date Corporation, headquartered in Minneapolis, is a worldwide computer and financial services company employing more than 57,000 persons.

"The rationale," he said, "is simply that...small farms and small scale food processing operations can reduce the cost of food, make a significant contribution to food production, do it in more environmentally protective ways, and provide a decent living for the operators."

Norris noted that many agricultural experts do not share his view of small farm potential, but pointed out that "the efficiencies of large scale...agriculture have been accomplished without adequate regard" to its drawbacks: loss of jobs, damage to the environment and human health, and soil depletion.

"The 'efficiencies,' " he said, "have bee achieved at a cost to

(Turn to Page D24)

Sweet corn, fresh from a roadside stand or farmers' market, is a summertime favorite of Northeastern consumers and a major cash crop for the small-scale farmer.

Livestock makes economic use of forage

A USDA scientist reported that farms can economically grow cattle and sheep on grass and other forage rather than on expensive grain. Moreover, meat from young cattle fed grass and other forage has less fat than meat from grain-fed cattle and therefore can be quite acceptable to consumers, said Dr. G. Paul Lynch, an animal physiologist with USDA's Agricultural Research Service.

Lynch said that research by Dr. J.J. Maino of Colorado State University, Ft. Collins, indicates that the larger frame cattle gain weight on forage at about the same rate as the smaller frame cattle. Lower overhead costs are associated with smaller frame cattle, however, as they are more economical to maintain.

Farm energy costs in the future may make grain too expensive for livestock feed, said Lynch. Producers are cutting feed costs by feeding cattle a greater percentage of forage to grow them for market.

Lynch, describing a report by Dr. Pimentel of Cornell University, Ithaca, N.Y., said that one third of our topsoil has been lost to erosion. Many types of agriculture used to grow forage crops to feed cattle and sheep and at the same time help minimize soil erosion.

At the small farms symposium Lynch said that stored hay and silage are important to the small farm's livestock feeding program Summarizing the work of Dr W.H. Newland, of the Ohio Agricultural Research Development Center, Wooster, Ohio, Lynch said that the addition of liquid ammonia to hay with a high moisture content helps to preserve hay during storage and adds

(Turn to Page D24)

Researcher describes 'perfect pollinator' for small farms

The hornfaced bee, imported from Japan in 1978, is helping to increase fruit yields in U.S. orchards by efficiently pollinating peach, cherry, plum, and apple flowers.

Suzanne Batra of the U.S. Department of Agriculture, speaking at the symposium, pointed out that the hornfaced bee, Osmia cornifrons, is a more efficient pollinator of apples than honey bees.

Batra described a side-by-side comparison between honey bees and hornfaced bees that was performed in an orchard near Hirosaki, Japan. In the same time period that the honey bees pollinated 4 flowers, the hornfaced bees pollinated 105 flowers.

Unlike honey bees, which are often attracted to flowering weeds near the orchard, the hornfaced bees prefer fruit tree flowers. Also, the hornfaced bees have a very mild, mosquito-like sting and so are safer to handle than honey bees, said Batra.

Since the adult bees are alive only for a few weeks in the Spring — during the time that the fruit trees are in bloom - they require very little year-round management by farmers. Also hornfaced bees produce no honey.

"The hornfaced bee is a perfect pollinator for small farms and home gardening," said Batra of USDA's Agricultural Research Service. And increased pollination can result in increased fruit yields.

These bees are easy to manage, according to Batra. They live in straw-like stems from a common reed called Phragmites or in cardboard tubes. In Japan, the bees are kept in bundles of reeds which are hung under the eaves of buildings or in special bee shelters in the orchards.

Of course, when hornfaced bees are used as pollinators, pesticide spraying schedules must be altered to protect the bees. Spraying is suspended about two weeks before the flower buds break and restarted after all the petals fall. The adult bees complete their reproductive cycle during that time. The brood overwinters as larvae, protected inside the straws or reeds.

Hornfaced bee colonies have been established in the United States in Maryland, New Jersey, New York, North Carolina, and the District of Columbia. The only area evaluated where the bees did not survive was in the Adirondack Mountains of New York where winter temperatures were too cold

At the Beltsville Agricultural Research Center in Maryland, the bees first appeared at the end of March and the beginning of April They started collecting pollen at the same time flowers were blooming on apricots, cherries, plums, almonds, pears and early peaches.

Batra reported that the apples started to bloom about ten days after the hornfaced bees began to nest. To be effective pollinators for apples, the bees' nests were removed from the orchards in late winter, stored in a cooler at about 5 degrees Celsius (41°F), and returned to the orchards about 7-10 days before the apple bloom was expected.

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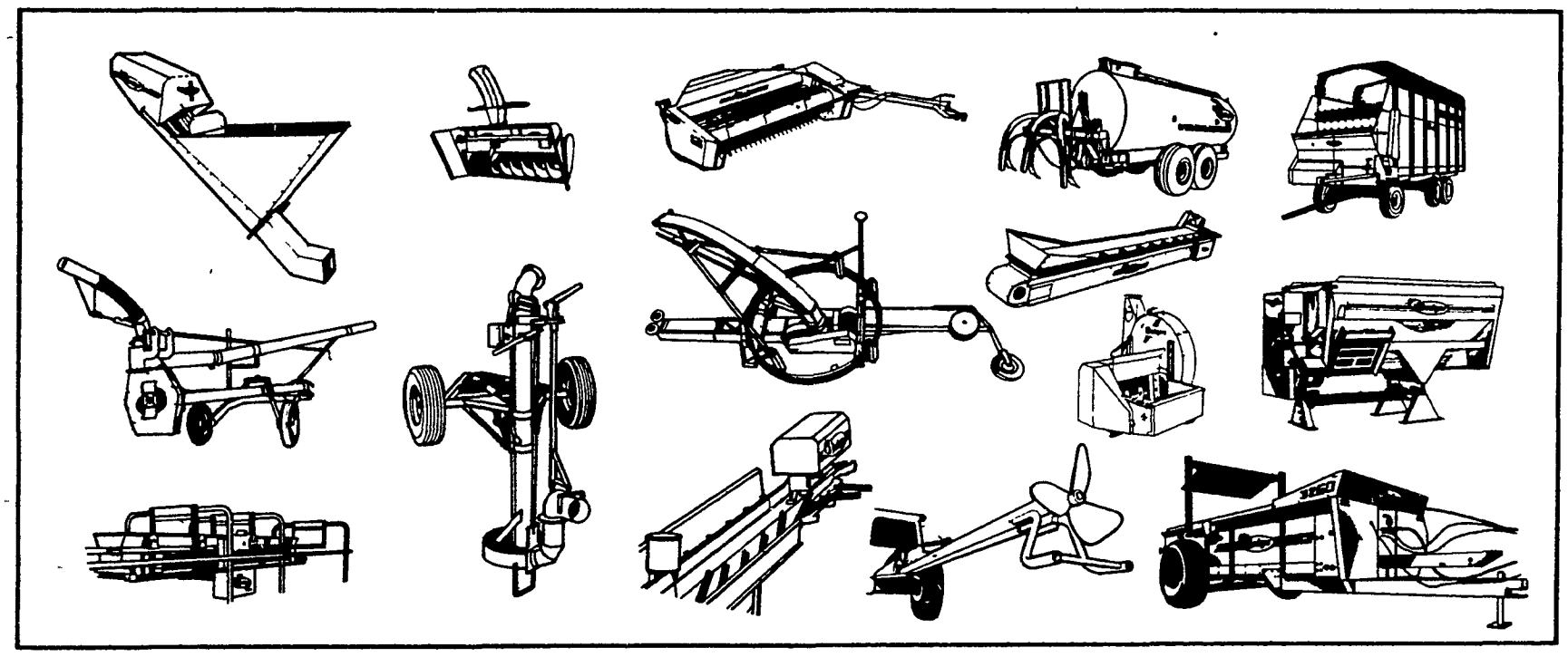

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All new and used Badger Northland machines purchased and used in business or for production of income qualify for the credit (Used machines purchased are subject to $125,000 investment limit per taxpayer There is no limit on new machines)

The full 10% credit is available if the machine purchased has a useful life of at least 5 years If the useful life is 3 or more years but less than 5, the credit is 6% Generally, the credit may be obtained on the total purchase price of the machine If you are trading in your old machine for a new one, some investment tax credit claimed in previous years may be recaptured

Whether the machine is paid for in cash does not affect the amount of the investment tax credit

If the machine is disposed of before its claimed useful life is exhausted, the credit is recomputed and may be wholly or partly recaptured

A combination of the investment tax credit and depreciation could substantially improve your cash flow.

For example

Assume that your joint federal income tax liability for 1981 is expected to be		$18,000
If you decide to purchase 2 new Badger Northland Forage Wagons for $10,000, your tax liability may be reduced by		
The investment tax credit	$1,000	
The normal depreciation rate assuming a five year useful life $10,000x15%x36%*	540	
Total Reduction		$ 1,540
Reduced Federal Income Tax Liability		$16,460

(*Assumed marginal tax rate of 36%)

Check with your tax advisor to determine the exact benefits of purchasing Badger Northland machinery before December in your particular circumstances

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Lancaster County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

October 1981

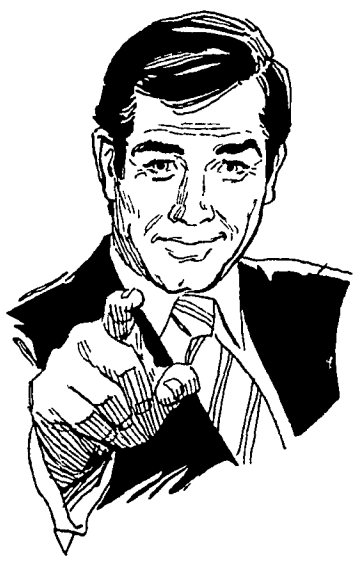
A Registered Holstein cow owned by Jacob S. Dienner, R #2, New Holland, completed the highest 305 day lactation Betty produced 30,164 lbs of milk, 1,113 lbs of butterfat with a 3.7% test Second high lactation was completed by A Registered Holstein cow owned by D Lamar Witmer, R #3, Manheim Dandy produced 25,915 lbs of milk, 1,089 lbs of butterfat with a 4.2% test in 305 days

First 305 days of lactation with 730 or more lbs of butterfat

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS FAT
Jacob S Dienner						
Betty	RH	10 5	305	30,164	3 7	1113
Shamra	RH	8 10	305	27,311	3 5	963
Hiede	RH	3 7	305	22,425	3 6	808
Dian	RH	7 11	305	21,836	3 7	806
Jane	RH	3 10	305	22,585	3 5	795
Matty			305	22,049	3 6	791
Gwen	RH	2 11	301	17,930	4 4	787
Della	RH	3 0	305	23,721	3 2	758
Liz	RH	3 0	305	19,306	3 8	730
D Lamar Witmer						
Dandy	RH	4 8	305	25,915	4 2	1089
Kenneth D Myer						
Barbara	RH	3 2	305	21,591	5 0	1085
Carol	RH	4-10	305	21,266	4 1	869
Mona	RH	6 4	305	18,687	4 1	766
Nelson W Nolt						
1	RH	7-2	305	22,447	4 8	1079
5	RH	5 11	305	24,972	3 9	963
105	RH	5-4	305	21,259	4 2	896
11	RH	6-4	305	25,265	3 4	847
13	RH	6 4	305	20,961	3 8	806
Weaver Homestead Farm						
23	GrH	5-2	303	21,735	4 8	1042
30	GrH	3-1	305	19,591	4 0	780
75	GrH	5 10	305	22,698	3 4	777
37	GrH	3 0	305	20,838	3 6	760
David W Hunt						
Brenda	RH	5 0	391	26,579	3 9	1041
Elam P Bollinger						
Beauty	RH	5-2	305	24,310	4 3	1041
Abbie	RH	2-10	305	16,140	4 5	733
Cedar Fringed Farm						
Magda	RG	5-4	305	19,784	5 2	1033
Inky	RG	3-4	305	19,662	4 3	853
Riva	RG	4-4	305	19,051	4 3	828
Barona	RG	4-1	305	17,231	4 6	796
Lilly	Rg	5 4	305	14,684	5 4	792
Shirl	RH	4-3	305	20,621	3 6	741
Althea	RG	5-0	305	13,322	5 5	735
Henry U Stoltzfus Jr						
Golden	GrH	8 2	305	30,512	3 4	1028
Penny	GrH	10 1	305	20,992	4 1	860
Lucky	GrH	5 0	305	24,983	3 3	822
Jackie	GrH	6 2	305	25,298	3 2	815
Windy	GrH	3 2	303	21,616	3 7	809
May	GrH	4 0	303	19,271	4 0	773
Cindy	RH	2 11	305	20,300	3 7	748
Vernon R Umble & Son						
Lindy	RH	6 9	305	30,963	3 3	1027
Donna	RH	3 6	305	28,047	3 4	955
Lola	RH	4 4	305	25,157	3 7	926
Lolly	RH	6 2	305	23,753	3 6	851
Maid	RH	3-7	305	21,809	3 8	834
Dede	RH	7-1	305	24,084	3 4	829
Evelyn	RH	3-1	305	19,560	4 2	812
Paula	RH	5-3	303	22,962	3 5	810
Happy	RH	6 8	304	20,790	3 9	803
Jane	RH	6-6	305	21,352	3 6	777
Gerald Martin						
Starlet	RH	8-4	305	24,344	4 2	1022
Jody	RH	5 4	305	23,175	3 4	799
Naaman W Stoltzfus						
Trish	RH	4-8	305	26,092	3 9	1010
Jessica	RH	3 1	305	25,829	3 4	885
Dimple	RH	4 1	303	21,037	3 5	745
Paul H Martin						
Eunice	RH	5 5	305	24,628	4 1	1009
King-Ridge Farm						
Marleen	RH	6 10	305	24,751	4 0	995
Sheree	RH	6 10	305	24,127	3 6	879
Emanuel S Smucker						
Alice	RH	4-10	305	24,334	3 9	983
Joyce	RH	3-5	294	19,597	4 0	787
Joan	RH	5 3	305	16,965	4 4	739
Ru Be Mar Farms						
21	RH	6 5	305	23,707	4 1	983
Elam Petersheim						
Rose	RH	6-1	305	23,055	4 3	980
Audrey	RH	3-9	305	23,958	3 8	899
Saucy	RH	5-5	305	22,270	3 8	847
Edith	RH	6 9	305	23,779	3 2	771
Henry S Lapp						
51	GrH	4-5	305	26,037	3 7	969
19	RH	4 5	305	19,113	4 3	826
32	RH	5 6	305	22,963	3 2	742
J Robert Kindig						
Bonnie	RH	5 2	305	27,447	3 5	966
Iona	RH	4 0	305	21,465	4 5	956
Chief	RH	6 8	305	16,582	4 8	789
Nora	RH	8-3	305	18,143	4 3	782
John Z Beiler						
Phoebe	RH	7-10	305	25,051	3 8	959
Allen Lee Stoltzfus						
Judy	RH	7 2	305	26,614	3 6	950
Paul D Welk						
Pansy	RH	7 9	305	26,318	3 6	949
Sadie	RH	3 6	305	20,160	3 9	783
Elsie	RH	6 10	305	16,759	4 6	770
Beckey	RH	5-3	305	21,025	3 5	745
C Nevin Hershey						
Ella	RH	5-11	305	23,339	4 1	949
John L Landis						
118	RH	5 3	305	25,997	3 6	945
53	RH	7 8	305	24,550	3 7	898
110	RH	5 6	305	27,598	3 2	896
168	GrH	0-0	305	25,051	3 4	862
31	RH	9-1	305	22,582	3 8	855
86	RH	6 0	284	20,459	3.9	803
130	GrH	3-1	305	20,671	3 8	786

(Turn to Page D5)

Dairy Automation



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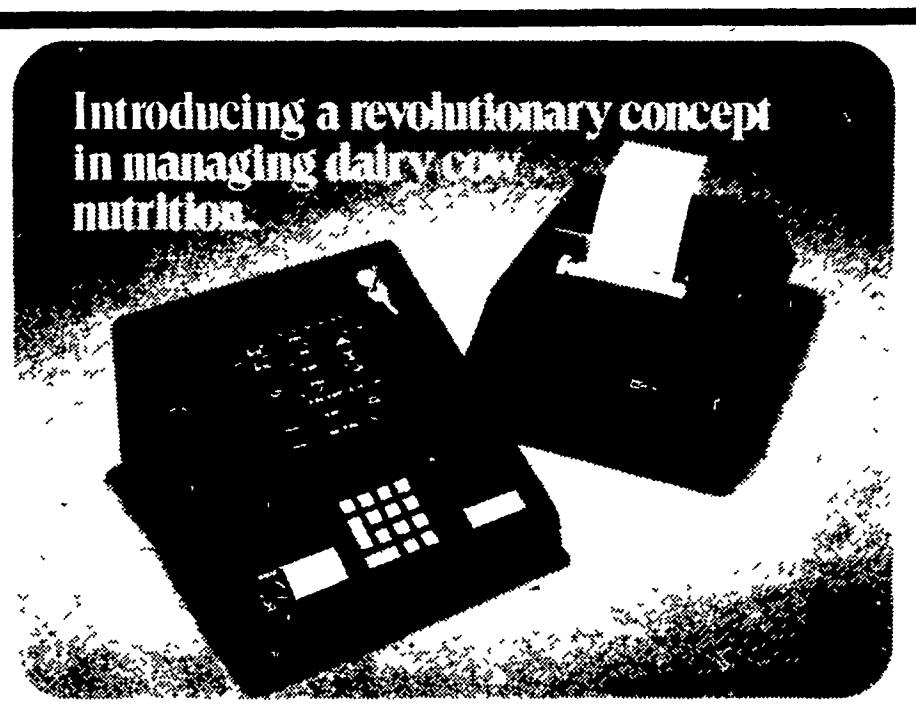

The De Laval® RationMaster™ Feeding System

The DeLaval RationMaster Feeding System is an integrated, automated installation under direct control of a Computer Command Center. Major components include a Micro-processor Memory Bank where data on individual cows are stored, a Delivery System which moves grain or mixed feed from storage, Feeding Stations where the concentrate is dispensed according to computer instructions, and Transponders (worn around the cow's neck) which provide a radio link between the animal and the Computer Command Center

Simply stated, the De Laval RationMaster module is designed to get the right nutrition to the right cow at the right time You are now able to feed every cow in the herd the exact ration she needs for optimum milk production as determined by heredity, stage of lactation and quality of roughage.

Feeding with such computer accuracy means a level of control never before attainable Reduced labor, more milk, less wasted feed, healthier cows, shortened calving intervals — these are some of the possible benefits And some of the reasons why the new De Laval Ration Master Feeding System belongs on any modern dairy farm

DE LAVAL®

SEE YOUR LOCAL DELAVAL DEALER

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J. B. ZIMMERMAN & SONS
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R. E. SMELTZER EQUIPMENT CO.
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Centre Hall, PA
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WITMER IMPLEMENT SERVICE
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Shippensburg, PA
717-532-6139

I.G.'s AG SALES
Silverdale, PA
215-257-5136

Lancaster Co. DHIA

(Continued from Page D4)

148	GrH	2 11	305	21,078	3 7	780
260	GrH	6 1	305	17,024	4 5	760
Melvin M Groff						
Suzette	RH	6-0	305	23,189	4 1	945
Ginny	RH	4-3	305	21,095	4 1	859
Mary	GrH	8-3	305	22,856	3 5	796
Moses M Beiler						
Dolly	RH	5 0	305	23,768	3 9	938
Robert L Shelly						
Pearl	RH	6-8	305	21,432	4 3	927
Carol	RH	5-7	305	23,485	3 6	841
Dora	RH	5 6	305	19,851	4 0	785
Jay E Landis						
Lynda	RH	6 0	305	23,962	3 9	925
Billie	RH	8 2	305	26,107	3 4	879
Vern Lee Holsteins						
Ingra	RH	11-2	305	25,100	3 7	917
Maple	RH	7 1	305	21,775	4 2	913
Bonus	RH	7 7	305	25,177	3 6	908
Petunia	RH	8 8	305	22,993	3 7	848
Betty	RH	10-9	254	20,815	3 7	772
Sandy	RH	4 8	305	20,764	3 6	744
Glenn E Burkholder						
Ronda	GrH	4 7	305	24,103	3 8	917
Tulip	RH	6 4	305	21,971	3 9	849
Evelyn	RH	5-3	305	23,820	3 5	826
Lady	RH	8 4	305	23,515	3 5	826
Paul V Nissley						
Charm	GrH	6 3	305	24,338	3 8	914
Adrian	RH	3-2	305	19,419	3 8	740
Samuel M Martin Jr						
Rita	GrH	5 4	305	23,732	3 9	914
Alice	GrH	5-5	305	24,938	3 4	853
Lizzie	GrH	3 3	305	22,152	3 4	752
Glenda	GrH	3-1	305	21,069	3 5	739
6	GrH	3-4	305	18,382	4 0	736
Ivan S Stoltzfus						
Millie	RH	6-10	305	25,093	3 6	911
Beauty	RH	3-6	305	25,638	3 1	793
Hiram S Aungst						
Vicky	RH	8-10	305	23,875	3 8	910
Perky	RH	4-8	305	24,299	3 6	873
Marvin S. Nolt						
118	RH	9-3	305	25,496	3 5	905
149	GrH	3-9	305	23,585	3 4	792
14	GrH	8-3	305	21,367	3 5	755
132	RH	5-6	305	20,266	3 7	747
Dale & Steve Hershey						
Becky 55	RH	5-11	305	26,379	3 4	902
Gert	RH	4 0	305	20,744	3 7	777
Nancy	RH	7-0	305	22,106	3 4	744
Fannie	RH	5 0	305	21,320	3 5	739
John K Peters						
Anita	GrH	4 2	291	24,974	3 6	902
Robert H Kauffman						
Cher	RH	4-9	305	22,547	4 0	901
Stacey	RH	5-0	305	26,392	3 3	881
Lester J Wiker						
Minnie	GrH	3-5	305	22,441	4 0	899
Beauty	GrH	6-7	305	23,224	3 4	787
Rhelda & Lynn Royer						
A Ok	RH	6-3	305	24,124	3 7	897
Dafodil	RH	2-7	305	15,145	5.0	759
Fred Crider						
Eunice	RG	5-1	305	17,410	5 2	897
J E & Shirley Hershey						
Rhoda	RH	7-7	305	25,564	3 5	896
Laura	RH	6-6	305	18,754	3 9	738
Clair M. Hollinger						
Jenlu 73	RH	4-3	305	21,034	4 3	894
Paul S Sauder						
Tobey	RH	6 4	305	25,084	3 5	888
Water-Flow Farm						
Brenda	RH	6 4	305	23,289	3 8	887
Ray P Bollinger						
Marion	RH	7 1	276	22,616	3 9	887
Ann	RH	10 8	305	20,531	3 8	776
Linda	GrH	3-3	277	19,485	3 9	762
Haven	RH	4 10	305	18,788	4 0	756
Thomas C Lapp						
Liz	RH	6-6	305	24,814	3 6	885
Tracy	RH	4 8	305	26,810	3 2	862
Cherry	RH	9 5	305	24,707	3 4	835
Frances	RH	4 7	305	23,783	3 2	761
Paul B Zimmerman						
Lynn	RH	8 1	305	23,939	3 7	883
Juliet	RH	4 2	305	20,716	4 3	883
Trixie	RH	4 4	305	21,025	3 8	802
Joan	RH	3 3	269	16,888	4 7	788
Star	RH	5 5	305	21,309	3 6	771
Roy C Neff						
Whitie	RH	5 11	305	21,083	4 2	880
Ellen	RH	7 4	305	18,141	4 0	733
Robert G Hershberger						
56	GrH	6 2	305	25,554	3 4	879
65	GrH	6 2	305	20,026	4 1	826
76	RH	4-2	298	21,293	3 8	811
48	GrH	5 2	305	24,545	3 1	771
Daniel M Stoltzfus						
Toots	GrH	3 5	293	22,784	3 9	878
Lovely	GrH	4 5	305	21,106	3 9	814
Robert Kauffman Jr						
Paulynn	RH	10-4	305	20,126	4 4	876
Patience	RH	8 3	305	18,802	4 6	865
Luanne	RH	3 10	305	22,214	3 8	834
Tara	RH	3 0	300	21,828	3 8	834
Haze	RH	2 1	305	17,939	4 5	801
Dee	RH	2 11	305	18,636	4 3	793
Peg	RH	6 1	300	16,225	4 9	792
Romaine	RH	2 11	305	20,135	3 8	770
Pequea Meadows Farm						
2 Otk 20	GrH	8 11	305	24,093	3 6	876
Henry S DeLong						
42	RH	7 0	305	22,035	4 0	873
109	GrH	6 1	305	19,833	3 9	771
Britian Acres Farm						
5	RH	6 1	275	20,226	4 3	872
Luke E Martin						
47	GrH	7 1	305	22,850	3 8	871
Ammon E Reiff						
Hazel	RH	5 2	305	22,943	3 8	870
Springarden Farm						
Dandy	RH	5 1	305	21,847	4 0	868
Bonnie	RH	8 2	305	24,394	3 4	839
Suzie	RH	9 3	305	18,724	4 0	744
J Wilmer Eby						
Helen	GrH	3 8	305	21,135	4 1	868
Tammy	RH	5 1	305	16,376	5 2	844
Anne	RH	4 6	305	17,883	4 7	834
49	GrH	4 9	305	21,930	3 6	795
86	GrH	5 1	305	20,761	3 8	786
90	GrH	15 3	305	18,996	4 1	781
Dama	RH	6 9	290	20,034	3 9	776
Stella	RH	3-6	305	19,941	3 9	769
Della	RH	3 6	305	19,442	3 8	744
Roy H & Ruth H Book						
Sally Jo	RH	6-1	305	21,993	3 9	865
David S Zimmerman						
132	GrH	5 10	305	24,671	3 5	864
John M Harnish						
Brenda	RH	3-9	305	22,610	3 8	864
Diana	RH	7 11	305	21,228	3 7	775
Robert Gochenaur Jr						
50	RH	4-4	305	25,112	3 4	862
51	RH	4-4	305	24,042	3 4	809
71	RH	6-5	305	26,741	3 0	793
54	RH	5 6	305	19,240	4 0	775
41	RH	7 7	305	17,288	4 3	736
John E Kreider						
Buttercup	RH	7 1	305	19,583	4 4	861
Freckle	RH	7 4	305	22,588	3 5	784
Noah Kreider & Sons						
642A	GrH	6-9	305	25,503	3 4	860
258A	GrH	6-10	305	20,576	3 7	766
Jacob L Stoltzfus						
49	GrH	7 11	305	20,883	4 1	859
58	GrH	6 0	305	22,185	3 6	806
22	GrH	4-2	305	17,984	4 1	739
26	GrH	7 2	305	18,696	3 9	731
J Harold Fritz						
88	GrH	7 3	305	21,717	4 0	858
251	GrH	4 1	305	19,814	3 9	777
Christian & Katie King						
70	GrH	4-8	305	21 661	4 0	858
8	RH	3-8	303	20,249	4 0	802
4	RH	4 11	305	22,225	3 3	734
John U Glick						
Lena	RH	4 5	305	21,816	3 9	857
Naoma	RH	2 9	305	16,632	4 7	781
Betty	RH	4 4	305	19,832	3 9	768
Ben S Stoltzfus						
Sally	RH	5 5	305	21,664	4 0	857
Whity	RH	6 2	305	20,303	3 6	732
Edgefield Farms						
Wanda	RH	7 2	305	22,226	3 8	854
Angel	RH	3 1	305	19,089	4 1	778
Betty	RH	4 1	297	18,426	4 0	740
Lewis E Bixler & Son						
Lucy	RH	3-5	305	21,789	3 9	854
Naomi	RH	7 0	305	20,434	3 7	765
Elvin H Hess						
Dreama	GrH	3-1	305	16,733	5 1	854
Earl Smoker						
Blackie	GrH	2-5	305	22,174	3 8	853
Judy	GrH	5 10	290	18,612	4 1	772
Wilmer G Kraybill						
Mirian 7	RH	9 0	305	23,871	3 6	850
Beau 40	RH	6 4	305	20,392	4 0	822
Richard N Sauder						
Emma	RH	3 0	302	19,945	4 3	848
Sylvia	RH	2-2	305	19,150	3 9	741
J Robert Metzler & Son						
Shana	RH	4 6	305	21,088	4 0	843
Earl R Hursh						
Sadie	RH	4 7	305	22,549	3 7	842
Parke H Ranck						
Midge	RH	4-2	305	21,458	3 9	841
Poppy	RH	3-1	305	16,534	4 5	744
John F Stoltzfus						
Sharon	RH	6-2	305	24,947	3 4	840
Lenewood Farm						
Tanya	RH	7-6	305	21,887	3 8	837
Dorit	RH	4 3	305	21,775	3 7	804
LeRoy S Smucker						
Ethel	RH	4 8	305	22,875	3 6	833
Bart Dell Farm						
Dawn	RH	5-4	305	24,944	3 3	832
Delmar & Susan Weaver						
Marla	RH	6-3	305	22,827	3 6	832
Joan	RH	3-10	305	20,216	3 9	792
Lee	GrH	7-3	305	21,241	3.7	780
A Dale Herr						
124	GrH	9-4	305	22,011	3 8	832
Samuel F Long						
Barb	RH	4 5	305	19,437	4 3	832

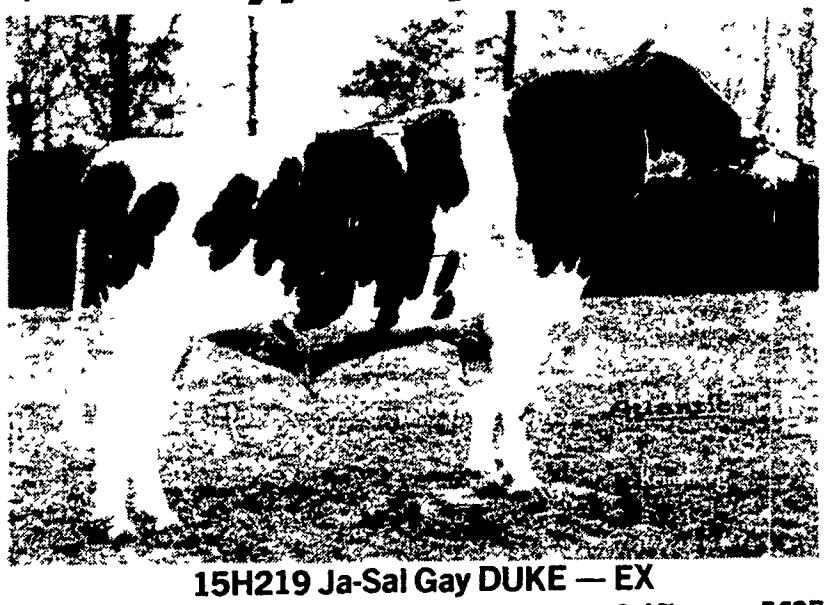
(Turn to Page D6)

Use These Atlantic Production and Type Improvers

15H202 Elmsmith Marcus MARINER — VG

55 Daus. in 43 Herds Ave.	17,417M	3.4%	600F
Pred. Dif. (76% rpt.)	+$140 +1,522	-.21%	+23

15 Daus. Cl. 78.9; +.25 PDT (53% rpt.)
Sire: Harborcrest Marcus — GP & GM
Dam: EX-3E with rec. to 23,500M & 870F



15H219 Ja-Sal Gay DUKE — EX

38 Daus. in 32 Herds Ave.	16,564M	3.4%	569F
Pred. Dif. (67% rpt.)	+$89 +987	-.14%	+14

19 Daus. Cl. 77.8; +1.31 PDT (56% rpt.)
Sire: Harrisburg Gay Ideal — EX & GM
Dam: EX Bootmaker dau. with rec. to 23,810M & 883F

(July/81 USDA Production and HFA Type Summary)

Our Daily Holstein Selection Includes:
27 bulls with milk PD over +1,000
33 bulls with value PD over +$100
13 bulls with +PD for % test
32 bulls with at least 70% repeatability
28 bulls with +PD for type

All are priced reasonably through Professional Technician service and Direct-Herd sales!

Atlantic LIVESTOCK SERVICES BREEDERS COOPERATIVE

Member — NAL Affiliated Breeders
Toll-Free 24 Hour Phones For Service:
Lancaster Area 569-0411
Pennsylvania 800-732-0391 Del., Md. & N.J. 800-233-0216
Our Representative in Northeastern Pennsylvania is Taurus Service
Approved by Certified Semen Services

Lancaster Co. DHIA

(Continued from Page D5)

John Omar Stoltzfus						
Model	RH	4 2	305	21,450	3 9	830
Promise	RH	4 2	305	21,913	3 6	781
Amos W Breneman						
Kassy	RH	3 0	305	22,348	3 7	829
Judy	RH	4-1	305	24,783	3 2	788
Rosanne	GrH	8-1	305	16,874	4 6	769
Lola	GrH	3 4	305	17,186	4 4	760
Spring Lawn Farm						
154	RH	3 3	305	15,598	5 3	826
35	RH	3 0	305	22,838	3 2	731
David E DeLong						
Sandy	GrH	7 6	305	19,913	4 1	825
Peggy	GrH	5 10	305	18,336	4 0	736
Galen W Crouse						
Nellie	RH	5 7	305	19,858	4 2	825
Marvin Reiff						
45 Lizzy	RH	4 2	305	19,186	4 3	822
Lloyd B Sensenig						
Sparkie	GrH	5 0	305	23,175	3 5	821
David L Landis						
Girlie	RH	9 1	305	19,620	4 2	820
Benuel Z Lapp						
217	RH	5 1	305	26,918	3 0	819
Grace	RH	3 11	305	18,833	4 1	770
Charm	RH	4 6	290	22,482	3 4	755
LeRoy S Musser						
50	GrH	5 8	305	23,950	3 4	816
Harold L Weiler						
Josie	RH	6 4	287	21,845	3 7	815
Carrie	RH	4 7	305	23,232	3 3	770
Edith	RH	4-5	305	20,241	3 8	766
14	GrH	4-1	305	17,927	4 1	733
Amos B Lantz						
Betsy	RH	4 0	305	22,058	3 7	813
Christian E Riehl						
Chico	RH	7-9	292	20,959	3 9	813
Jenny	RH	8 8	303	19,673	4 0	785
Joseph C Wivell						
Lady	RH	9-0	305	22,537	3 6	812
Dixie	GrH	9 9	305	19,585	3 9	763
Glory	RH	3 2	305	17,802	4 1	733
Nathan E Stoltzfus						
Felicia	RH	9-3	305	20,572	3 9	812
John Omar Stoltzfus						
Jane	RH	7 8	305	22,526	3 6	811
Patsy	RH	4 0	305	20,182	4 0	809
Irwin W Engle						
120	GrH	3 6	300	17,281	4 7	809
H H Haverstick						
Becky	RH	6-4	305	22,454	3 6	807
Kenneth G Groff						
Sandra	RH	6-10	305	22,766	3 5	806
Pride	RH	6-1	296	20,375	3 8	767
Donald M Eckman						
Pauline	GrH	3 5	305	20,295	4 0	806
Lil	RH	5-4	305	23,088	3 4	794
Nelson R Habecker						
14	GrH	7 1	305	19,753	4 1	806
Omar S Kauffman						
Misty	RH	6 2	305	22,784	3 5	805
Gideon B Stoltzfus						
Chris	GrH	4 1	305	19,394	4 2	805
Weaver & Burkholder						
3	GrH	4 1	305	24,910	3 2	804
55	RH	5 6	305	24,698	2 9	711
Samuel E Beiler						
Darlene	RH	7 11	305	21,569	3 7	804
Smokey	RH	9-3	305	19,205	4 0	770
David McMichael						
23	RH	8 7	305	21,958	3 7	802
92	RH	3 3	305	18,306	4 2	772
3	GrH	10 5	305	18,537	4 1	751
John S Nolt						
Lorie	GrH	4 11	305	17,590	4 6	802
Eva	GrH	0 0	305	19,167	3 8	721
Paul N Brubacher						
132	RH	5 2	305	20,148	3 0	801
76	RH	9 2	305	18,289	3 9	709
Kreider Dairy Farms						
855	GrH	3-4	305	18,443	4 3	800
John A Brubaker Jr						
57 Ginge	GrH	4 3	305	20,433	3 9	798
Mattie	RH	4 1	305	17,034	4 5	773
Abram L King						
Flicky	GrH	8 2	305	22,899	3 5	797
Steve E Stoltzfus Jr						
Quin	RH	6 8	305	22,445	3 6	797
Norman B Rutt-Son						
142	GrH	4 3	305	19,996	4 0	796
Ellis D Kreider						
95	GrH	7 10	305	19,886	4 0	796
104	GrH	7 5	292	18,361	4 3	795
147	GrH	3 4	305	21,046	3 6	758
146	GrH	3 3	293	19,980	3 8	753
Omer B King						
Rose	GrH	8 1	305	22,357	3 6	795
Harold K Witmer						
Delilah	RH	1-11	305	18,547	4 3	795
David B King						
Katie	RH	5 8	305	21,879	3 6	794
Jal	RH	10-3	305	18,802	4 1	780
Apple	RH	4-1	305	19,525	3 9	768
Dan S Stoltzfus						
Fair 78	RH	4 6	305	24,183	3 3	792
Danda 92	RH	5 9	305	20,482	3 8	773
James M Harnish						
Proud	RH	5-5	305	26,006	3 0	790
Nona	RH	7-4	305	20,722	3 7	770
Brubacher & Martin						
5	RH	3 4	305	23,060	3 4	790
Dale W Peifer						
Jelly	RH	4 5	305	23,348	3 4	789
Orchid	RH	3-2	305	20,612	3 6	735
Paul H Rohrer & Sons						
43	GrH	3 8	291	20,255	3 9	787
Ivan Z Martin						
Debbie	RH	4-3	305	19,963	3 9	787
Raymond M Weaver						
118	RH	3 10	305	19,718	4 0	784
143	RH	4-11	305	21,909	3 6	783
Delmar H Weaver						
Alan	RH	3 3	305	19,159	4 1	784
Earl R Martin						
41	GrH	6 2	305	20,941	3 7	783
Amos F Miller						
Cathy	RH	6 7	305	20,470	3 8	783
Shady	GrH	4-3	305	17,855	4 1	736
Paul S Horning						
Lucky	RH	6 1	305	25,166	3 1	782
Eli S King						
21	RH	4 10	294	17,862	4 4	782
Clyde W Martin						
Inka	RH	4 0	305	21,630	3 6	781
Dixie	RH	4-4	294	20,299	3 8	770
R Edwin Harnish						
Eileen	RH	5-2	289	21,560	3 6	781
Patsy	RH	4-1	305	20,761	3 8	779
Samuel K Stoltzfus						
Charlot	RH	5-3	305	21,171	3 7	781
Marvin R Sauder						
Mary	GrH	7-3	293	18,928	4 1	780
Betty	RH	5 10	304	18,524	4 0	745
Riehlee Farm						
Lena	RH	4 5	305	21,547	3 6	779
Melvin L Beiler						
Cherry	RH	6 4	305	21,143	3 7	779
Dandy	RH	9 2	282	18,604	4 0	737
Kreider's & Nickle						
52	RH	8-6	305	22,159	3 5	777
169	GrH	5-11	294	25,044	3 1	770
91	GrH	8-0	305	22,102	3 4	756
Welsh Vista Farms						
Ella	RH	5 2	294	21,498	3 6	777
Harry L Troop						
Betty	RH	5 0	305	21,411	3 6	777
Beverly	RH	4 2	295	18,674	3 9	731
Rohrer Brothers						
Sandy	RH	6 3	285	20,696	3 7	776
Albert Breneman						
83 Sabri	GrH	4 6	305	20,449	3 8	776
Robert C Groff						
Karen	RH	6 3	305	19,838	3 9	776
J Wade Groff						
Mary	RH	6 4	305	19,227	4 0	776
Maggie	RH	3-5	305	17,320	4 3	749
Levi S Stoltzfus						
Sara	RH	5 2	305	18,627	4 2	776
Jolly	RH	4 3	305	22,912	3 3	750
David R Stoltzfus						
8	GrH	2 11	305	19,815	3 9	775
Clair Oberholtzer						
33	GrH	5-4	305	19,462	4 0	772
Curtis E Akers						
Abby	RH	6 2	283	19,034	4 1	772
Jacob S Stoltzfus						
Tess	RH	5 1	305	20,568	3 7	771
Paul S Zimmerman						
7	GrH	3 1	305	20,348	3 8	771
Penn Har Va Farms						
63	GrH	7 6	305	23,373	3 3	770
75	GrH	7 3	305	22,361	3 4	769
J Earl Horst						
RSandra	RH	3-1	305	20,717	3 7	770
Pam	RH	3 3	305	18,115	4 1	736

(Turn to Page D7)

FRANK A. FILLIPPO, INC.

— WANTED —

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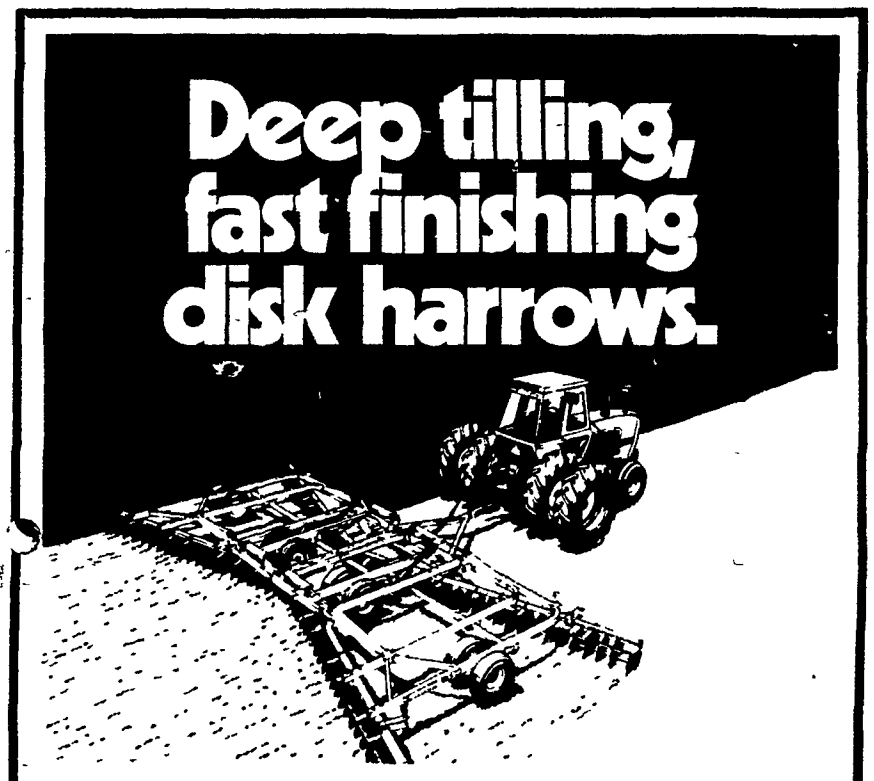
Lancaster Co. DHIA

(Continued from Page D6)

James S Brubaker						
Margold	GrH	4-7	269	19,954	3 9	770
C Witmer Sherer						
Valentine	RH	3-9	305	20,900	3 7	769
John F Petersheim						
65	RH	3-10	305	19,208	4 0	769
Rosegale Farm						
Fanny	RH	3-9	282	18,344	4 2	769
LeRoy S Weaver						
Mattie	GrH	5 1	305	21,863	3 5	768
Carol	GrH	7-2	286	22,779	3 4	766
Janice	RH	5 7	298	20,605	3 6	751
Kenneth L Beiler						
Roxy	RH	3-5	305	21,326	3 6	768
Glenn F Shenk						
Shell	GrH	5 3	305	19,416	4 0	768
Luke Ray Zimmerman						
46	GrH	5-0	305	19,732	3 9	766
J Clayton Charles						
Lena	RH	5 6	305	24,451	3 1	765
Spring Belle Farm						
Prilly	RH	5-3	305	17,982	4 3	765
J Ray Ranck						
Doreen	RH	4-2	305	21,221	3 6	764
Charles Smith						
26	GrH	4 6	305	21,126	3 6	764
Willis M Martin						
Gem	RH	8 3	295	19,499	3 9	764
Paul M Fahnestock						
70	RH	4-3	289	19,360	3 9	764
Jonas O Sensenig						
1	GrH	5-5	288	20,807	3 7	763
Meadow Vista Farm						
Beth	RH	9-1	304	22,005	3 5	761
Camille	RH	4-6	271	20,151	3 7	750
Wilma	RH	6-8	305	21,723	3 4	733
Quarryville Presbyterian Home & Melvin Rohrer						
263	GrH	3-4	305	21,639	3 5	761
Earl N Landis						
Gail	RH	5 5	305	20 063	3 8	761
Lou	RH	12 0	305	19 563	3 8	748
John S Zimmerman						
7	GrH	3 9	305	20 436	3 7	759
John B Groff						
Holly	RH	3 8	305	19,762	3 8	759
Pansy	GrH	6 1	305	17,047	4 3	730
Abraham Shelly Jr						
Ivy Jr	RH	6 7	301	24,063	3 1	757
Thomas A Denlinger						
Delores	RH	5 0	305	20,951	3 6	757
Mervin Sauder						
Britt	GrH	6 4	305	18,371	4 1	756
Marvin K Witmer						
Maria	RH	5 1	305	21,662	3 5	755
Neff Brothers						
Doris	RH	3 0	305	19 027	4 0	755
Warren F Bollinger						
60	RH	6 2	305	18 285	4 1	755
Jay L Ranck						
Taffy	RH	8 2	305	21,725	3 5	754
Harry H Ranck Jr						
Ginger	RH	3 7	305	20,591	3 7	754
Clarence W. Shirk						
19	GrH	5 1	305	19,592	3 8	754
Nelson H Hershey						
Gay 36	RH	5 2	304	19,110	3 9	753
C Robert Greider						
30	GrH	2-1	305	19,359	3 9	752
Middle Creek Farm						
Sizzler	RH	4-2	305	18,608	4 0	750
Alvin M Martin						
Adeline	RH	5 9	303	23,629	3 2	749
J Carl Zander						
Kora	RH	10 1	305	21,260	3 5	749
Glenna	GrH	6-4	305	17,730	4 2	739
Christian Zook						
Robin	RH	3 2	305	21,139	3 5	749
Conoy Springs Dairy						
31	GrH	9-6	305	18,199	4 1	749
Walnut Run Farm						
131 Jul	RH	5 3	297	17,142	4 4	748
Raymond & Louise Witmer						
Flasher	RG	6-11	305	16,382	4 6	748
John L Beiler						
Lana	GrH	4 1	305	18,856	4 0	746
John W Martin Jr						
54	GrH	3 5	305	18,611	4 0	746
Lamar & Eileen Garman						
68	GrH	7 2	275	17,703	4 2	746
Ammon B Lantz						
Ida	RG	5 1	300	22,067	3 4	745
Donald R Bare						
Milly	RH	3 2	279	19,375	3 8	745
23	RH	2-4	305	17,180	4 3	743
Thomas & Larry Aaron						
178	RJ	5 0	305	14,846	5 0	745
J C Pownell Est						
144	GrH	3 0	305	21,712	3 4	744
E Richard Bruckhart						
Daffodi	RH	7 7	305	20 390	3 6	743
Bonita	RH	6 3	305	19 162	3 8	731
Sandra	RH	5 9	305	18,931	3 9	731
Paul W Zimmerman						
92	GrH	5 5	305	18,083	4 1	743
Richard B Hess						
31	RH	6 8	305	24,155	3 1	741
Carl L Martin						
Gwenlyn	RH	6-3	305	19,287	3 8	741
J Harold Musser & Sons						
72	GrH	6-0	305	22,623	3 3	739
Stephen J Stoltzfus						
Bridge	RH	6 3	305	22,089	3 3	739
Cupcake	RH	2-11	305	18,845	3 9	731
Sol S Stoltzfus						
64	GrH	3-1	305	20,208	3 7	739
C Victor Groff						
26	GrH	5-4	287	19,112	3 9	739
Marbro Farm						
Ruth	RH	8-1	305	18,936	3 9	739
K D & Elsie Linde						
Sabrina	RG	3-1	290	14,652	5 0	738
David D Zimmerman						
Tillie	RH	5-1	305	18,864	3 9	736
Edwin J Landis						
Emma	RH	5 2	305	20,045	3 7	735

(Turn to Page D8)

Deep tilling, fast finishing disk harrows.



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These were some of the thoughts expressed by Samuel H. Smith, Dean of the College of Agriculture and director of the Cooperative Extension Service at Penn State, as he addressed Extension staff at University Park in late November. The Dean spoke at Extension Staff Development Conference, an annual event which offers professional growth opportunities and provides in-service training to all Penn State Extension professionals located at University Park and in the 67 counties.

Smith told his audience that Extension's mission has changed — especially during the last two decades. Originally the Extension Service, which is administered through the land grant universities in all states, focused on agriculture and assistance to farm families.

Today the Extension Service is active in rural, urban and suburban areas of the state and includes programs for social and economic problems, cultural, recreational, and leisure time activities.

Dean Smith said that the Cooperative Extension Service has been asked to carry out new programs over the years because of its proven track record and an ability to get the job done. "Extension's flexibility has always been one of its assets," he said.

The Dean, who was named to his present position on July 1, 1981, said that his philosophy for Extension is much the same as for the entire College of Agriculture. "I want to stress quality in our programs and in our service at all times," he said.

Lancaster Co. DHIA

(Continued from Page D7)

Ben G Riehl Jr						
Barbie	GrH	4-6	305	18,875	3 9	735
LeRoy M Oberholtzer						
Becky	GrH	6 1	302	17,254	4 3	735
Nelson B Weaver						
91	GrH	5-1	293	17,168	4 3	735
Earl S Weaver						
Annabel	RH	4 5	305	20,900	3 5	734
Isaac L Fisher						
Rocket	RH	5-4	305	20,827	3 5	734
G M Weaver						
Fay	GrH	5-11	305	19,149	3 8	734
Raymond H Good						
14	GrH	3 0	305	18,249	4 0	734
Twin Oak Farms						
284	GrH	4-2	305	16,505	4 4	734
108	GrH	7 4	305	17,635	4 1	731
280	GrH	3-10	301	15,882	4 6	730
Sam K Stoltzfus						
Carrie	GrH	4-11	305	18,424	4 0	733
Jesse G Balmer						
Kelly	RG	5-1	305	14,257	5 1	733
S & A Kreider & Sons						
280	GrH	4-2	305	21,209	3 5	732
Richard W Barge						
BBC6637	GrH	7-1	305	20,310	3 6	732
Richard H Hess						
57 Bossy	RH	4 3	305	20,096	3 6	731
Elmer M High						
28	GrH	5 2	295	21,367	3 4	730
Ken & Joanne Hershey						
Bugs	GrH	6 5	305	19,901	3 7	730

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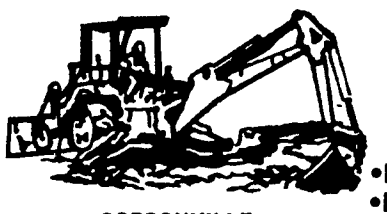

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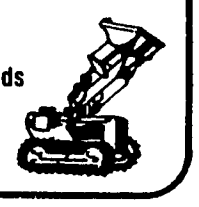

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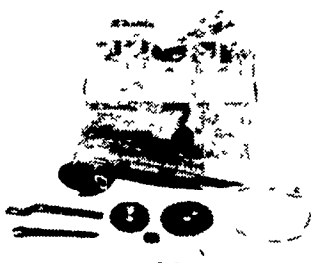

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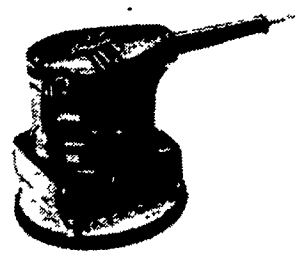

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- 12 000 RPM super smooth sanding
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- Flush sanding on all 4 sides
- All ball bearing construction for heavy duty industrial applications

STANDARD EQUIPMENT
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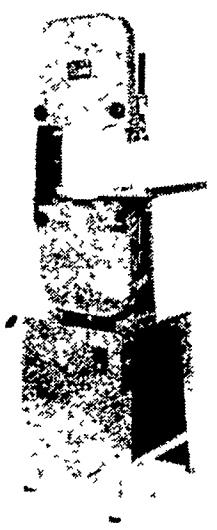

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SPECIFICATIONS JBS 14 Stock Number 708514 Model Number JBS 14 Cutting Capacity 6 Saw Blade Min 1/8 Max ¼ Saw Blade Length 93½ Table Size 14 x14 Table Tilt 45°xR 10°xL Dimensions (Overall) 65½ H 24½ W 19¼ D Motor (1725 RPM) ½ HP Sgl Ph 115/230 V (Pre wired 115V) Net Weight lbs (approx) 201 Shipping Weight lbs (approx) 208

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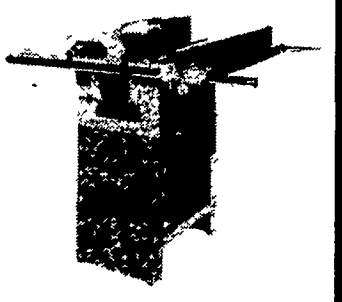

JTS-10
JET 10 INCH CONTRACTORS TABLE SAW WITH EXTENSION WINGS

SPECIFICATIONS JTS 10 Stock Number 708510 Model Number JTS 10 Cutting Capacity 3 1/8 Saw Blade Diameter 10' Table Size 20 x20 Overall Dimensions 34½ H 40 W 3. D Recommended Motor 1' HP New Weight (approx) 195 Shipping Weight (approx) 210

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Elm, Lancaster County

— Photo by Dick Anglestein

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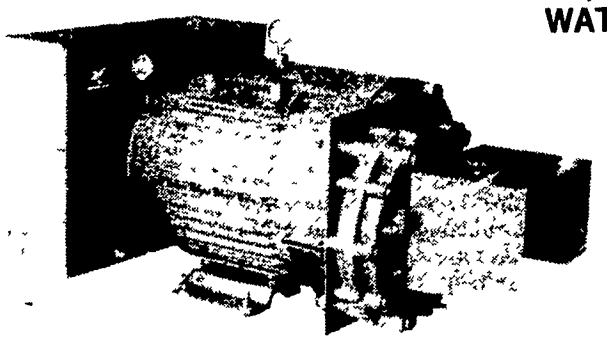

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Extension's in the news

Solomon joins Chester Extension

WEST CHESTER — Robert E. Solomon has been appointed to Penn State's Cooperative Extension Service staff as a county agricultural agent. He will be working out of the Chester County office located at 235 West Market Street, West Chester.

Solomon will be conducting educational programs in the area of farm management. He is also working in the area of agricultural preservation in conjunction with Chester County's Agricultural Development Council. The position has been initially funded for a two-year period.

He received a bachelor of science degree in agronomy from Delaware Valley College in 1979 and is currently completing requirements for a master of science degree in agricultural economics from Cornell University. He is also a member of the Northeast Agricultural Economics Council.

Solomon is now living in Lyndell, Chester Co.

County agents elect officers

Officers of the Pennsylvania Association of County Agricultural Agents for 1981-82, elected at the organization's recent annual meeting on the Penn State main campus are from left: William C. Kelly, Westmoreland County, vice president; John E. Creighton, Wayne County, president; and Robert M. Hetrick, Blair County, secretary-treasurer.

Extension ag engineer to retire Jan. 1

N. Henry Wooding

UNIVERSITY PARK — N. Henry Wooding, Jr., professor of agricultural engineering Extension at Penn State, will retire January 1 with 32 years of service.

A native of Virginia, he received a bachelor of science degree from Virginia Polytechnic Institute and master of science degree from Rutgers University, both in agricultural engineering.

As Extension specialist, professor Wooding has conducted educational programs relating to water supply waste management, sewage disposal, and conservation and management of natural resources.

He has worked with farmers and rural homeowners in solving domestic water supply and sewage disposal problems. He also assisted local and state government agencies, planning commissions, and community leaders on activities designed to solve environmental pollution problems.

The retiring specialist helped develop and conduct a successful Extension progam relating to agindustry adjustment and resource development. He served on the program development committee and with the team of speakers that traveled throughout the Commonwealth encouraging the use of scientific techniques to land use management to insure orderly development.

As a member of the Northeast Dairy Practices Council he helped develop regional guidelines for potable water supply and handling liquid waste from milking centers for dairy farms. In cooperation with the Pennsylvania Dairy Sanitarians Association, he published several agricultural engineering fact sheets relating to water supply that tell farmers how to develop and improve water systems to maintain standards required for existing milk markets.

Wooding worked closely with officials of the Pennsylvania Department of Environmental Resources concerning implementation of the Sewage Facilities Act. He served seven consecutive two-year terms as the University's official representative to the Sewage Advisory Committee and advisory group that mandated by the act.

The retiring ag engineer is author of several Extension special circulars relating to home sewage disposal. More than 200,000 copies of these publications have been distributed by the Extension Service and Department of Environmental Resources.

He conducted waste management seminars for fruit and vegetable processing industry personnel. He also worked with fruit and vegetable canners in Adams and Young counties and with mushroom growers and processors in Berks and Chester counties concerning waste management problems.

Wooding provided educational programs relating to water supply, irrigation, and drainage for the state's turfgrass industry. He was an instructor at numerous turfgrass management schools conducted for golf course superintendents, equipment dealers, and contractors.

He is a member of the American Society of Agricultural Engineers and served on numerous technical committees of the society. He was an officer in the Pennsylvania chapter and was technical reviewer for the National Sewage Symposium Proceedings Committee. He received 13 national awards from the society for the development of informational materials, visual aids, and demonstration methods used in Extension programs.

Professor Wooding has been an active supporter of Pennsylvania plowing contest and the USA national plowing organization, two of which were held in Pennsylvania. He is a charter member of the Pennsylvania State Plowing Contest Committee and served as treasurer of the organization for 22 years.

He is credited with more than 60

(Turn to Page D23)

Rebecca Pizor, of R1 Jackson Center, Mercer County Cooperative Extension Service secretary, receives 1981 Secretarial Award from R. Blaine Schlosser, Crawford County Extension director and awards committee chairman. At right is William Pizor, husband of the award winner.

Pizor wins secretarial award

UNIVERSITY PARK — Rebecca Pizor, R1, Jackson Center, secretary in the Mercer County Cooperative Extension Service Office, has been named winner of the 1981 Secretarial Award presented by the Pennsylvania chapter of Epsilon Sigma Phi, national honorary Extension fraternity.

Mrs. Pizor was honored November 18 at the organization's annual meeting on Penn State's main campus.

According to R. Blaine Schlosser, Crawford County Extension director and awards committee chairman, the award is presented annually to cite the achievements of outstanding Extension secretaries.

Mrs. Pizor, office secretary since 1973, supervises the work of three other secretaries. She handles the registration for all Extension activities and serves as chief office receptionist.

Her duties include bookkeeping for three major accounts, selecting office equipment, and works with local printers in the production of Extension publications.

Mrs. Pizor was instrumental in planning and conducting a three-region Extension Secretarial Conference in 1976. In 1978 she served on the planning committee for the statewide Secretarial Conference held at Penn State.

The wife of a Mercer County dairyman, she has two children involved in 4-H activities.

A graduate of Grove City College, Mrs. Prizor is a member of the Pennsylvania Farmers Association, Jackson Center United Presbyterian Church, Mercer County Republican Women's Group, and Gamma Sigma Phi sorority.

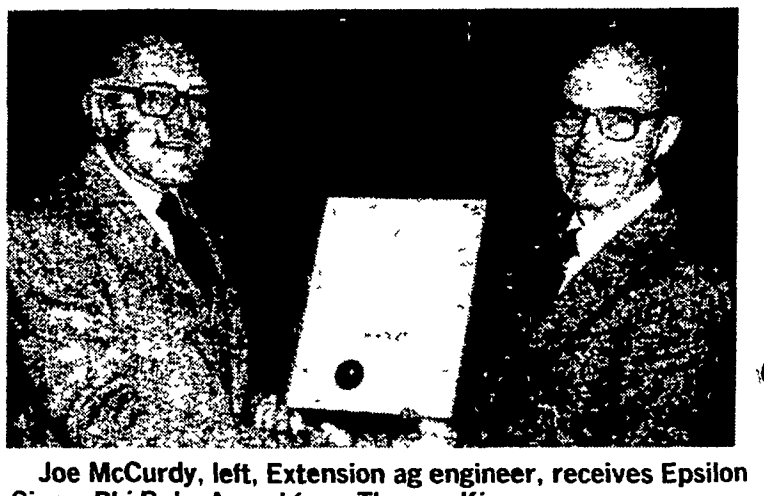
McCurdy wins fraternity award

UNIVERSITY PARK — Joseph A. McCurdy, Extension agricultural engineer at Penn State, has been named recipient of the 1981 Ruby Award presented by the Alpha Omicron Chapter of Epsilon Sigma Phi.

The award is presented annually to a member of the Penn State Cooperative Extension Service staff for innovative educational programming. He received a plaque.

McCurdy provided leadership in the management of potato storage facilities in Pennsylvania. He designed and developed a ventilation system that allows potatoes to be stored longer with

(Turn to Page D11)



Joe McCurdy, left, Extension ag engineer, receives Epsilon Sigma Phi Ruby Award from Thomas King.

Ellen Harkleroad wins state achievement award

UNIVERSITY PARK — Ellen M. Harkleroad, assistant Perry County Extension agent, has been named recipient of the New Yorker Extension Award presented by the Alpha Omicron Chapter of Epsilon Sigma Phi, honorary Extension fraternity.

The award is presented annually to a member of The Pennsylvania State University's Cooperative Extension Service staff with two or less years of service and who has organized and conducted outstanding educational programs.

Ellen M. Harkleroad, Perry County Extension agent, receives New Worker Extension Award from Robert Lewis, 4-H youth specialist at Penn State, chairman of the awards committee.

Harkleroad was honored November 18 at the fraternity's annual meeting in State College.

According to Robert Lewis, Penn State 4-H youth specialist and awards committee chairman, she has made a number of significant contributions to Extension programming.

Harkleroad promoted the National Safety Council's campaign to use safety belts on Labor Day weekend. All 4-H members were urged to contact Perry County residents and have them sign pledge cards indicating they would use safety belts. Over 733 cards were returned by members from 13 4-H clubs.

The award winner worked with 206 4-H members who were involved in 33 different community service activities serving citizens and organizations in Perry County. The purpose was to have 4-H members gain an understanding of community needs, community improvement techniques, and interpersonal development among 4-H members.

In cooperation with Alan Wentz, Cumberland County Extension agent, Harkleroad developed a regional program to have 4-H youth become more knowledgeable, aware, and sensitive to the issues of juvenile justice. The study included a mock trial and discussions with delinquent youth and court personnel.

She also initiated several recreational programs for Perry County 4-H members, including a ski camp, clowns project, and preteen tours to the Penn State main campus.

A native of Clearfield County, the award winner has been a member of the Perry County Exension staff for 23 months.

McCurdy wins

(Continued from Page D10)

less shrinkage and waste. This unique system enabled farmers to increase their income and provide better quality potatoes for consumers.

The award winner designed and constructed a portable wiring demonstration board to illustrate the importance of safe wiring, fusing, and overload protection. This demonstration unit was used at numerous countywide meetings throughout the Commonwealth and on Extension television programs.

As part of his farm wiring program McCurdy organized and conducted statewide training programs for 4-H club leaders interested in electrical projects. He prepared 4-H member workbooks and leader's guides for several projects. As a result of his efforts, the 4-H electric project became one of the most popular youth programs offered by the Extension Service.

He initiated an educational barn hay drying program using both unheated natural air and heated air systems. He worked with individual farmers, instructing them how to build air ducts in their barn hay mows. He also showed them how to select and install large ventilation fans and how to control their operation.

Due to his educational work, Pennsylvania farmers have been able to reduce loss in feed value. The resulting improvement in hay quality saved hay producers thousands of dollars in feed costs annually.

During his career, the specialist has been presented eight "blue ribbon" awards for his publications models, visual aids, and building plans that were judged by his peers to be outstanding in originality and effectiveness.

A native of Allegheny County, the award member has been a member of the Extension staff for 31 years

He earned a bachelor of science degree from Penn State in 1948 and master of science degree from Michigan State University in 1963

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18 x 24	35.00	26 x 40	93.00
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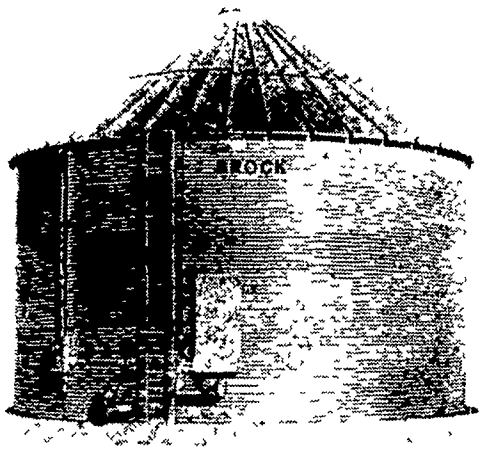

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Bradford County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

OCTOBER 1981

The following herds had a rolling herd average of 550 lbs or more Herds with less than 10 cows are not included

NAME	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS FAT
William Brown	28 7	89 7	24,070	924
Donald E Harkness	49 4	88 1	19,999	778
Richard H. Packard	50 8	87 4	20,305	765
Ronald P Davis	35 5	85 4	18,860	753
Robert Taylor	45 3	87 3	18,785	750
Windham Valley Farm	42 9	84 7	20,055	746
Earl J Gamble	41 0	86 8	18,442	737
George M Shell	37 3	86 4	18,091	731
Russel L Jones	65 7	86 8	19,460	729
Wayne H Lamont	39 6	84 4	19,674	722
Archie L Williams	55 3	91 1	19,401	718
Milford Kinsman & Son	100 7	87 5	18,219	718
Clarence & Keith Crain	50 0	89 2	19,132	712
Y Run Dairy Farms	87 0	87 1	18,516	712
Dale Mattocks	68 2	89 1	18,185	711
Ford Ridge Farm	37 4	86 6	18,245	710
Tom & Diane Elliott	40 2	87 2	18,790	709
Marvin Berry	41 3	86 9	18,731	704
Leona Holsteins	48 5	90 5	18,575	702
Donald Jennings Jr	104 0	88 8	18,919	701
Lewis & Lois Alderson	31 0	86 7	17,461	701
Roe Russell Jr	100 1	87 9	17,465	700
Wm Bruce Bresse	65 1	84 4	17,611	696
Snowcrest Farm	77 0	87 7	18,450	695
H.W Russell & Sons	48 6	89 3	17,371	693
Leonard-Robert Cole	56.3	85 4	17,420	687
Fivebrooks Farm	73 2	88 0	18,642	686
Lyle D. Monro	86 2	86 5	18,498	680
Leslie Freeman	53 8	89 0	17,853	679
Jeff & Karen Hale	52 0	86 0	18,297	678
Walter G Wheaton	55 4	88 8	17,641	677
Abraham S Derstine	58 1	89 1	18,402	675
Arthur D Wolf	59 4	86 5	17,571	674
John Kolesar Jr	43 3	90 1	17,070	671
Stanley Saxton	67 2	85.5	17,285	669
Richard H Storck	38 3	87 3	18,171	669
Stuart Wrisley	53 3	87.5	17,310	669
Cragle Knolls	46 3	90.1	16,964	667
Timothy Brennan	44 9	87.0	16,839	667
Calvin Watson	59.2	91 5	12,594	665
Calvin & Rick Shaffer	67 6	88 9	17,087	665
Braund Valley Farms	79 8	86 9	17,588	664
Duane & Patty Cole	35 0	85 7	16,956	664
Glen & Arlen Landis	76 8	86 9	18,039	663
Springcroft Farm	96 4	86.7	17,786	662
Matt Will	68 7	86.1	17,514	660
Gerald Stethers	78 5	86 9	16,796	659
Lawrence A Swartley	28 7	86 7	17,011	658
R Allen Rightmire	43 3	92 2	16,724	657
Steve & Carol Jenkins	43 2	87 7	15,708	656
Roof Farms	31 2	88 1	17,296	655
George W Lee	53 4	86 2	17,391	655
Ponder Hill Farms	59 0	89 0	17,191	651
Carl McClelland	29 9	86 6	17,360	651
Piercehome Farms	32 1	86 9	16,209	650
Scott & Lynn Cook	30 0	88 8	17,404	650
Vernon & Robert Allis	47 2	84 4	17,133	648
Kenneth Walters & Sons	79 9	87 6	15,048	648
Sheldon L Millard	54 3	88 2	17,540	647
Paul D McCoy	74 6	87 0	17,395	646
Kenneth L Prince	67 8	85 4	17,161	646
Donald Jennings Sr	30 2	82 5	17,241	646
Hopps Hill Farm	39 8	90 3	16,926	645
Elsbree Bros	69 2	86.2	17,105	645
James & Diane Elvidge	45 1	86 8	16,734	645
Arlyn Wilbur	47 0	87 9	16,237	644
Lazzell Watkins	62 8	85 1	16,926	643
Elmer Comstock	59 2	82 5	16,501	642
Milton Sherman	38 9	92.7	16,920	642
Merle Bacon	38 1	86 7	16,161	641
Allen S Andrews	77 5	85 9	18,347	641
Ray & Larry Rowe	55 7	87 5	16,872	641
Richard D. Wheeler	56 6	87 4	17,642	639
Halstead Bros	64 4	89.0	16,295	637
Duane Lewis	42 0	86.4	17,453	634
Elwin Roberts	40.1	86.0	15,866	634
Frank Herman Jr	40 3	87 0	17,146	633
Davis Brothers	66 8	87 4	15,598	633
Douglas Graybill	36 2	86.4	16,918	631
Lynn & Bonnie Miller	51.4	82.1	16,306	631
Vernalder Farm	51 0	85 6	17,238	631
Bill & Donna Earls	59.2	89 3	16,376	631
Art & Joan B Gover	40 1	84.7	17,065	630
Jay & Faye Good	41 5	89 3	16,985	630
George & Ronald Ross	61.5	88 1	15,817	630
Ben Jackson	55 9	88 5	16,093	628
Greland Farms	42 0	84.6	17,070	627
Scott-Bryan Shedden	51.2	83.4	17,830	627
Eugene & Brian Harris	50 7	86.7	12,877	626
Mapoval Farms Inc.	87 1	87.5	16,351	626
Robert H. Whipple	62 3	88.8	16,251	625
R. Champluvier & Son	57 2	88 3	16,538	623
Bob & Tom Murray	92 3	83.0	16,370	623
Romaine & Jeff Sechrist	51 1	86.2	16,701	621
Richard Bristol	35 9	85.0	16,083	620
Dawson & Dave Moon	43 5	86 0	16,502	620
Thomas McCarty	158 9	87.8	15,871	620
Nancy K. Bean	26.7	86 3	16,248	620
Ronald Macwhinnie	44 5	89 8	15,520	619
Charles & Mary Elliott	47.6	84 4	16,984	619
Rod Watson	80 5	88.7	11,918	618
Warren J Roberts	48.0	79 4	17,022	618
Pet Roypa Farm	43 1	87 1	16,464	618
Garry & Nancy Johnson	84 0	88.2	14,922	616
Jerry Pruyne	64 0	86.4	14,882	615
Leigh Sturdevant	69 2	89 5	14,912	615
Bride Brothers	58 2	83 6	15,773	614
Wright Bros	77.4	85.8	13,223	614
Rodney Babcock	86 5	88 3	16,595	613

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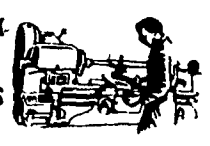

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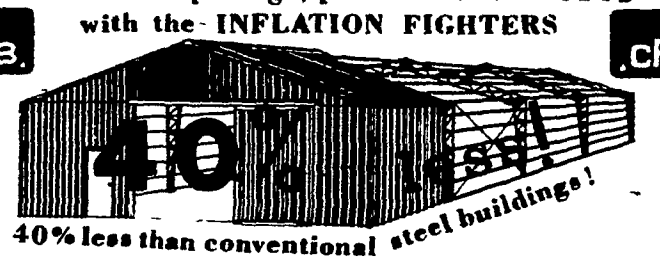

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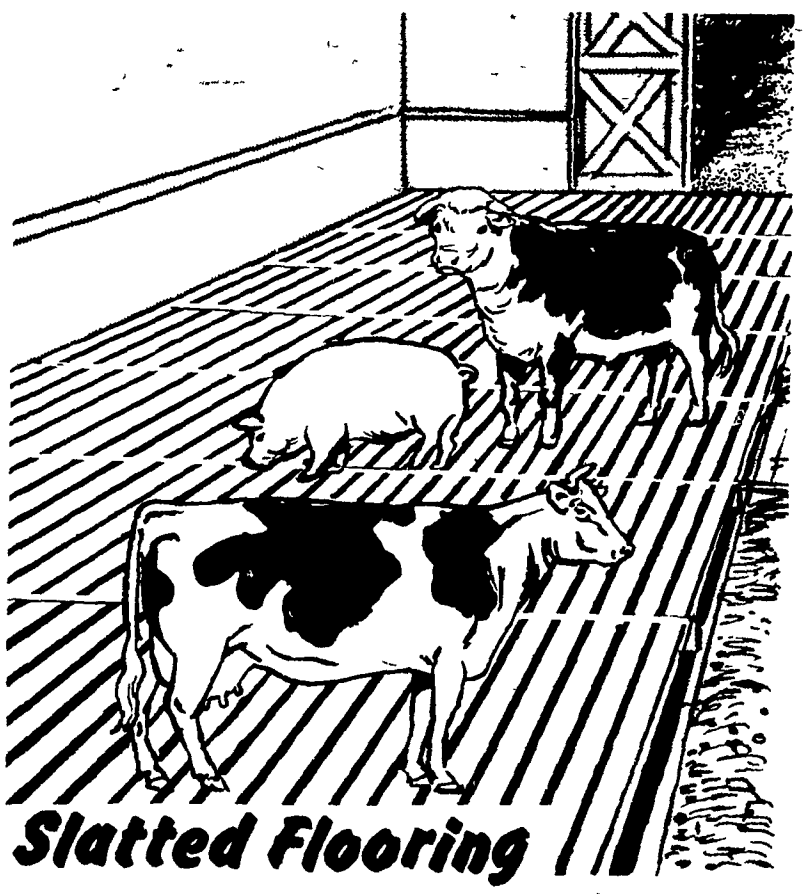

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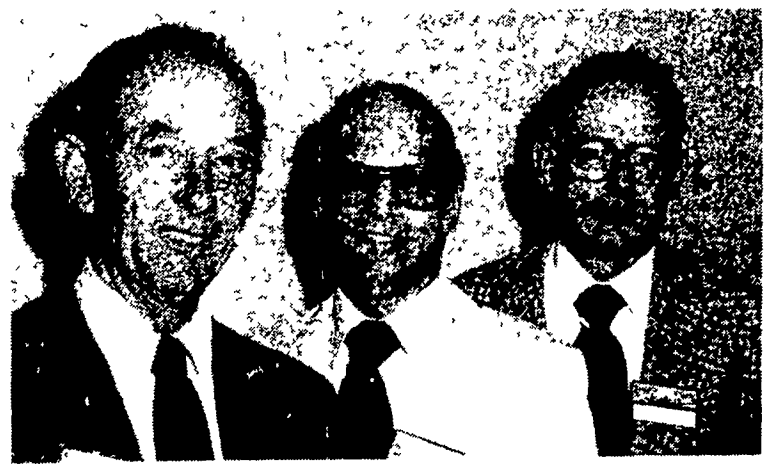
PA Forage and Grassland Council names officers

Milton Hershey School Farms, of Hershey, who exhibited the grand champion silage sample at the Statewide Silage Show held as part of Ag Progress Days at Penn State last August, was honored at the recent Forage and Seed Conference held on the main Penn State campus. John Baylor, Penn State Extension agronomist, left, presents trophy to Alfred Dugan, director of research at the school farms. With the two, from left, Richard Hann, director of agribusiness, and Norman Miller, farm manager. The winning sample was a mixture of legume and legume-grass wilted.



New directors of the Pennsylvania Forage and Grassland Council, elected at the organization's recent annual meeting at Penn State are from left: Harold Gayman, Waynesboro; Earl Rohrer, Smoketown; and Richard Hill, research agronomist with the U.S. Department of Agriculture's Pasture Research Laboratory at University Park.

Officers of the Pennsylvania Forage and Grassland Council for 1981-82, are from left: Albert Vigilante, Harrisburg, president; Dr. William Stringer, Penn State agronomist, vice president; Richard Hann, director of agribusiness at the Milton Hershey School Farms, Hershey, secretary-treasurer; and Dr. John Baylor, Penn State Extension agronomist, executive vice-president.

Jay McCarrell, of Eighty Four, Washington County, who exhibited the grand champion sample in the State Hay Show held during Penn State's Ag Progress days, was honored duirng the recent Forage and Seed Conference. At right is Mrs. McCarrell. The winning sample was a later cutting of alfalfa.

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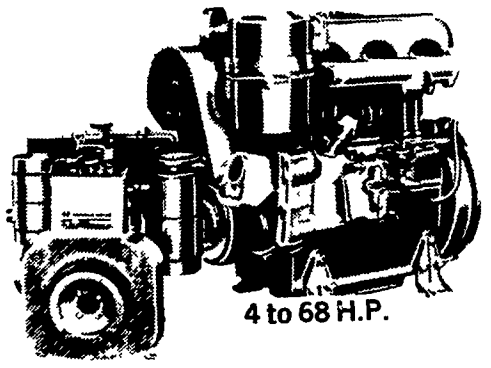

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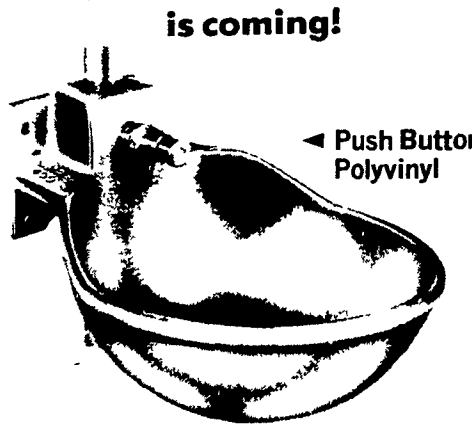

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(Continued from Page D12)

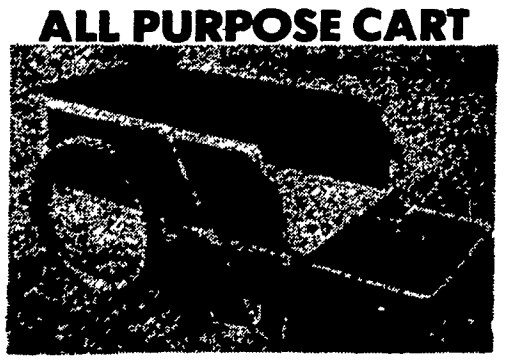
Lloyd Smeck	51 5	92 3	16,303	613
Robert S Thomson	73 4	97 0	15,961	613
Bradley Haflett	31 8	87 0	16,586	611
Clyde T Seeley	41 5	87 7	16,017	609
Dale R. Petty	39 2	86 1	16,307	605
Gary S. Ferguson	34 9	89 3	16,090	605
Richard B Reagan	45 4	86.6	16,470	603
Ron Lin Farms	32 9	90 4	15,761	602
Le Canville Farm	58.7	84 7	15,587	600
Randy Watson	54 3	86.5	14,923	600
Alfred Sparling	81 2	86.1	16,167	600
Peck Hill Farms	92 4	84 8	17,077	599
Dale & Eileen Allis	36 0	85 1	15,859	599
Art & Clay Harkness	55 4	88.4	15,747	598
Ronald & Judi Butts	43 1	82 0	15,606	598
Calkins Farm	67.6	89 5	15,660	597
Bennett R Young	67 5	87 2	16,532	596
James Boor	80 6	86 1	15,803	592
Russell Stowell	40 7	88 4	15,868	592
Clayton Oldroyd	27 9	89 1	15,078	591
Wilcox Bros	80 4	89 8	12,399	591
John Culver	77 3	86 6	15,674	591
Dennis Lehman	50 1	86 1	16,338	591
David & Joyce Egge	55 7	87 3	15,021	590
W and R Vanblarcom	66 7	85 0	15,415	590
Scott Moore	80 6	87 5	15,225	590
Ray Keeney	73 0	86.9	15,698	589
Kendale Farm Inc	42 0	83.8	15,428	586
Pinetop Farm	59 6	86 2	15,170	586
Drew & Craig Bagley	52 1	87 6	16,314	586
Robert W Cory	56 0	82 2	14,511	586
Clarence Stevens	53.4	86 7	14,773	586
Tige R Luv Dairies	83 2	86 3	16,427	585
Madigan Farms	86 3	86 5	16,253	585
William J. Smith	46.6	85 7	16,084	584
Philcrest Farm	62 5	86.7	16,680	584
Shumhurst Farm	62.9	84.1	15,763	581
Betty Kilmer & Sons	35.3	86.5	15,463	581
Raymond Hoppaugh	75 5	83 4	17,165	581
Mike & Barb Bradley	38.4	80 9	12,990	580
Louis Sturdevant	52.5	87.6	15,351	580
James A Van Blarcom	45 8	88.2	14,382	580
Merle Watson	54 1	90 8	15,476	580
Frank Purcell	25 4	86 3	16,267	579
Swamont Farms	70 7	80 6	14,999	577
Martin Kingsley	48 8	82 0	14,255	577
Claude W Arnold	35 2	79.7	14,503	576
William Eick	61 0	86 8	11,864	576
Parks Knoll Farms	95 9	86 4	15,694	576
Shores Brothers	35 9	81 9	15,306	575
V & K Harkness	65 2	86 1	14,291	575
East Knoll Farm	55 7	82 2	15,012	574
Roy & Tim Beardslee	95 5	88 3	15,236	574
Lewstone Farms	59.1	84 4	14,936	574
Harvey Hennip	41 4	87.6	16,164	572
Donald E Cole	45 1	88.5	13,640	570
Fox Chase Farms	146 6	84.4	15,630	570
Raymond A Scrivens	51 6	83.5	14,493	570
Dave L Wright	35 6	87.1	16,261	569
Windy Mont Farm	54 3	84.8	14,530	568
Dinger Bros.	50 0	85 4	14,656	567
Paul Robbins	40 1	85 1	15,138	567
Marshall M Watkins	29 3	83.4	15,240	566
Endless Mts Farm	47.6	81 2	14,974	566
Ja-Jen Farms	36 0	87 9	14,998	566
Summit Dairy Farm	47 0	87 6	15,401	566
Ted Baldwins Dairy	41 9	83 6	15,619	565
Paul Sargeant	40 5	86 7	14,619	565
Gene & Jody McMurray	48 0	90 0	16,778	565
Gary & Donna Ayres	84 3	86 2	16,216	565
R Brown & R Ely	49 6	80 6	14,878	565
Gary Rockwell	50 0	87 1	14,898	564
H W. & Gladys Alderfer	33 2	82 3	14,777	563
James L. Powlison	37.3	87.3	15,778	562
Keith Felter	35.1	86.8	15,294	562
Brackman Bros.	87.5	86.9	12,166	560
James Howard	67.8	83.8	14,667	559
Merle & Leslie Wanck	62 6	85 6	15,042	558
Charles Allen	119.5	87 9	15,374	557
Ter-Mar Farm	46.5	87.1	15,092	556
Robert L. Storch	66 4	82.8	15,292	556
Manleyview Farms	48 9	82 5	15,196	555
Myron Bristol	38 8	83.9	15,311	553
Larry B. Wright	52 7	83.4	14,135	552
Herb & Phyl Jennings	43 2	88.2	14,640	552
Dale & Donna Bennett	81.3	89.3	10,524	551
Lyle Harkness	42 4	89 6	14,205	550

This reports all DHIA cows that have produced 700 lbs of butterfat or more in 305 days, PLUS 2 year old records of 600 lbs or more.

OWNER NAME OR NO.	AGE AT CALVING		DAYS IN MILK	LBS. MILK	LBS. FAT
Gary Rockwell					
Maxine	3	2	305	15,259	631
Y Run Dairy Farms					
Jackie	3	10	291	20,581	751
Fraline	3	8	305	22,400	953
Robin	3	5	301	21,630	861
Sherry	3	3	305	25,132	785
Nancy	3	2	305	19,378	831
Anne	3	2	279	20,063	787
Jingle	3	2	305	17,161	690
Mapoval Farms Inc					
Mcheeta	3	8	305	20,391	725
Mbootlu	3	8	305	19,025	735
So Dora	3	3	305	20,397	721
Fox Chase Farms					
35	3	7	298	17,652	730
437	3	5	305	21,610	877

(Turn to Page D-15)

ALL PURPOSE CART



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- Metal protected edges for longer life
- 2 sizes - 8 cu. ft. & 15. cu. ft.

Treated and Redwood stain,
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Great for lawn, garden and farm uses.
Will make any size you order.

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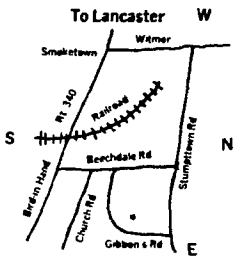

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When you plant Gutwein hybrids you ll be proud to reap the benefits of all our research and hard work We specifically breed our hybrids for each area of the country so you get seed particularly suited to your area s climate and soil When you get Gutwein hybrids you get the yields stand-ability disease tolerance and fast dry-down that ll make you proud you picked Gutwein

And we re proud too—not only of all the research and hard work we ve done to give the highest yielding hybrids and not only of winning the NCGA Yield Contest four years in a row * What really makes us proud is our single-mindedness of purpose Since the day we began in 1936 the Gutwein family has been making a commitment to hybrid corn

We breed plant grow harvest, bag, and market all our own product We do all this so that when you plant our hybrids you ll be proud you picked Gutwein

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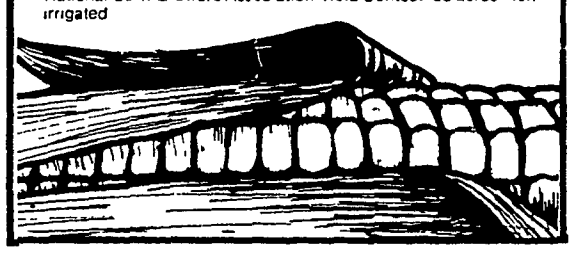
HAROLD J. DIETRICH
RD #1, Richland, PA
717-933-4940

* National Corn Growers Association Yield Contest 25 acres non irrigated



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city _____ state _____
phone _____ zip _____

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Bradford Co. DHIA

(Continued from Page D14)

100 7	3	5	305	19,728	749
Wm. Bruce Bresee					
Karen	3	6	285	19,484	733
Brackman Bros					
Betsy	2	5	305	15,029	752
Chic	2	2	299	11,699	605
Wright Bros					
Lija	2	6	305	16,480	761
Edith	2	5	305	17,996	852
Bennett R Young					
87	3	0	305	23,812	806
Ronald Macwhinnie					
Maryann	3	5	305	17,695	720
Barbara	3	4	305	19,138	797
Dale Mattocks					
Sherill	3	6	305	28,399	1018
Liz	3	3	305	21,281	858
Eugene & Brian Harris					
Queen	4	7	305	16,004	727
Russel L Jones					
Alison	3	4	305	19,703	786
Arla	3	2	305	18,128	658
Roe Russell Jr.					
281	3	12	305	23,725	905
360	3	8	305	24,692	934
372	3	8	288	15,641	752
415	3	6	305	21,967	844
421	3	6	305	19,086	821
444	3	6	305	19,377	841
449	3	5	305	19,050	881
450	3	5	305	21,720	854
458	3	5	305	18,590	769
459	3	5	305	20,485	741
462	3	5	305	23,507	798
502	3	3	305	19,123	844
506	3	3	305	23,002	932
532	3	2	305	16,395	664
533	3	2	305	16,047	601
Thomas McCarty					
319	3	2	305	18,557	672
399	3	2	305	18,347	641
280	3	2	305	14,991	624
John H Howard & Sons					
Peach	3	9	305	21,304	766
Connie	3	8	305	22,215	771
Foxy	3	4	305	22,561	884
Norlene	3	3	305	15,784	608
Nutty	3	2	305	18,218	616
John Culver					
Harmony	3	12	305	17,224	751
Nida	3	6	305	19,394	750
Lynn & Bonnie Miller					
Majesty	3	3	305	24,994	872
Shumhurst Farm					
Poet	3	8	305	20,377	863
Bride Brothers					
105	3	6	305	24,509	915
111	3	4	305	22,602	903
James Howard					
Princess	3	4	305	20,832	870
Vernon & Robert Allis					
Forest	3	6	305	22,836	751
Marti	3	2	305	17,164	691
Ronald & Judi Butts					
Jewel	3	8	305	19,686	722
Beau	3	8	305	20,720	782
Kimmy	3	5	291	20,033	711
Jubilee	3	5	297	22,696	726
Leigh Sturdevant					
Bea	3	6	305	18,212	734
Mira	3	5	305	21,029	797
Merle Bacon					
Linda	3	7	305	21,499	768
Dean & Jack Bedford					
Sybil	3	6	305	21,242	763
Russell Century Farm					
Eileen	3	7	305	18,180	722
Bob & Dale Tillinghast					
Sugar	3	5	305	21,482	731
Leaf	3	4	305	18,643	730
Robert S Thomson					
38	3	5	305	20,468	817
14	3	4	294	18,547	706
80	3	4	305	19,442	783
91	3	2	305	17,775	609
Elwin Roberts					
59	3	3	305	18,527	713
Jeff & Karen Hale					
Trudy	3	11	282	20,079	716
Lottie	3	7	305	17,630	734
Lassie	3	6	305	20,920	710
Tracey	3	5	305	20,695	722
Iris	3	3	305	21,863	742
Glenn & Arlen Landis					
Sugar	3	6	305	19,994	782
Wendy	3	5	305	21,981	884
Kit	3	3	305	19,007	731
Emma	3	2	305	18,842	635
Edna	3	2	293	14,170	602
G Henry Turrell					
108	3	9	305	19,513	846
Dawson & Dave Moon					
Chris	3	4	305	19,700	972
William Brown					
Iris	3	7	302	27,273	894
Effie	3	7	280	21,284	782
Stanley Saxton					
Marge	3	6	305	23,037	882
Mae	3	5	305	18,644	793
Lou	3	3	305	21,290	829
Ben Jackson					
Crisco	3	4	305	22,279	1081
Allison	3	2	305	19,220	609
Rama	3	2	305	16,050	680
Hope	3	2	262	12,976	623
Russell Stowell					
34	3	4	305	20,626	710
Ford Ridge Farm					
Bird	3	5	300	19,398	748
Clarence & Keith Crain					
Pam 70	3	6	297	18,193	754
Mite	3	5	305	20,942	875
Crystal	3	4	288	18,478	778
Millie	3	1	305	19,842	772
Leonard-Robert Cole					
Sherry	3	6	305	18,941	822
Pat	3	5	305	20,501	823
Delline	3	5	305	22,195	873
Lad	3	4	305	19,395	743
Donald E Harkness					
Alta	3	11	300	17,335	780
Erma	3	2	290	23,064	779
Milford Kinsman & Son					
Susan	3	8	305	20,940	882
Aggie	3	5	301	17,159	834
Andrea	3	5	305	25,855	952
Banana	3	3	299	22,908	848
Daphne	3	2	298	17,286	692
Ditto	3	2	299	14,163	603
Lyle D Monro					
31	3	5	289	23,402	770
35	3	5	305	20,478	704
58	3	4	292	19,009	726

(Turn to Page D18)

E & E Concrete Grooving
Prevent Costly Injury
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feed lots - holding pens - free stall area
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$795
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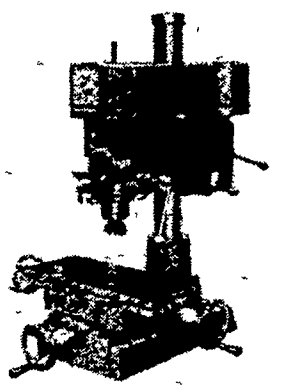
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HYBRIDS
PREMIUM SINGLE CROSSES
- **NEW: SX-810** - Large Ear, Fast Dry Down, Top Yields, Upright Leaf Characteristics, 118 Days
- **SX-802** - High Yielding Good Standability, 118 Days ★ #1 Penn State's Class 4 - Mel Johnson's Trials
- **SX-700A** - Fast Dry Down Corn, Excellent Sheller, 112 Days
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- **SX-405A** - Short Season, High Yield Potential 100 Days ★ Top 3 For The Past 3 Years At Penn State Trials
- **SX-520A** - First Year In Trials, Placed Third, Class 2, 105 Days

PLANT SCHLESSMAN'S HYBRIDS IN 1982 FOR YOUR BEST PROFIT PER ACRE
BALER TWINE $19.95 Cash & Carry
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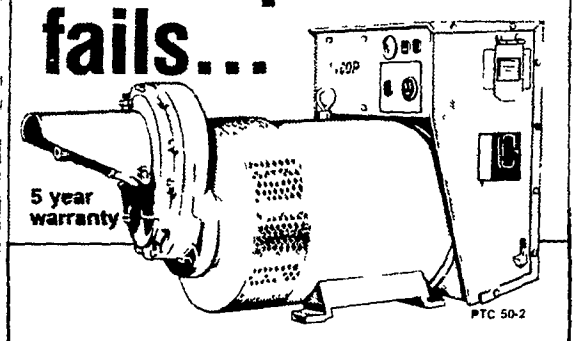

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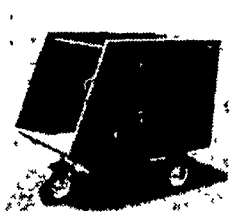
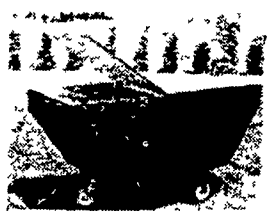

34" Wide, 62" Long, 53" high, capacity (to feed 35 to 40 Cows.) 16" Ball Bearing wheels For very easy handling

28" wide, 60" long, 35" high, capacity 600 lbs. Choice of 10" pneumatic or semi-pneumatic wheels
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We Also Manufacture Swivel Casters for 16", 12" and 10" wheels
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PENNSYLVANIA A
FRIDAY, DECEMBER

DAIRY SALE - 11:00 A.M.

120 REGISTERED HOLSTEINS
18 Cows, 55 Bred Heifers, 18 Yearlings
26 Calves, 3 Bulls

Many Deep Strong Pedigrees

Production of Dams -
12 over 25,000 to 35,619
10 - 23,000 to 25,000
27 - 20,000 to 23,000
36 - 17,000 to 20,000

Classification of Dams -
8 - Excellent
33 - Very Good
53 - Good Plus

Many Popular Sires Represented:
Conductor-6, Jemini-6, Marvex-5, Jet Stream-4, Pete-4, Superior-4, Valiant-4, Cinnamon-3, Creek-3, Elevation-3, Triple Threat-3, Apache-2, Apollo Rocket-2, Gay Ideal-2, Glendell-2, Glen Valley Star-2, Keho Eric-2, Mars-2, Performer-2, Apollo, Jerry, Matt Tippy, Milu Betty, Molly Chief, Money Maker, Monitor, Persuader, Tony

72 Consignments With Sires Over 1000PDM

Production of Granddams -
7 over 25,000 to 31,225
4 - 23,000 to 25,000
28 - 20,000 to 23,000
24 - 17,000 to 20,000

Classification of Granddams -
8 - Excellent
23 - Very Good
38 - Good Plus

Valuable Semen Selling Consigned By A.I. Centers:
5 Units - Browncroft Jetson-Sire Power
8 Units - S-W-D Valiant-ABS
5 Units - Carlin-M Ivanhoe Bell-Select Sires
5 Units - Hilltop Apollo Ivanhoe - Atlantic
5 Units - Romandale Dividend Performer-Atlantic
20 Units - Char-Sam Elevation Pabst - Select Sires

TARGET-CITY MISS PENN STATE-ET - Sells at 11:00 AM
An August 1981 Valiant or Pete daughter (will be determined by blood typing before sale) out of a VG-88 Bootmaker with 32,569M & 1301F. Her dam, the EX 95 Content with 31,225M & 1139F.

BEEF SALE -

68 LOTS OF QUAL STOC

24 Angus	Co
12 Polled Hereford	6
13 Simmental	44
5 Charolais	5
3 Limousin	3
7 Chianina	10
4 Belted Galloway	

FEATURING THE GET AN

Angus, (18 lots): Byergos Black Revolution 36, Contact of Wye, Continental, D.S. Band, General J.J. Patton, P.S Franco, P.S. Power Play, Sayre Patriot, Shearbrook Shoshone.

Polled Hereford, (10 lots): Enforcer, Graystone Granite, Graystone Hurrah, Kiyiwana Spidel KF 86, Top Guy, Vindicator, WSF PRL Justa Banner.

Simmental, (10 lots): Abricot, Fame, Galant, Landon's Grant L19, Singletree Clean 622K.

UNIVERSITY PARK — Over 225 head of dairy, beef, sheep, and swine have been consigned to an all-breeds benefit sale to aid Penn State's Ag Arena fund raising project.

Proceeds of the sale, to be held December 11 in Harrisburg's Farm Show Complex, will go toward the construction of a 190,000-square-foot Ag Arena to be located adjacent to Beaver Stadium on the University Park Campus.

"Persons consigning animals to the benefit sale are being asked to donate at least 50 percent of the sale price to the proposed arena," says Milford Heddleson, College of Agriculture coordinator of environmental quality affairs and co-chairman of the fund raising campaign.

Dairy cattle will be sold at 11 a.m.; beef at noon; swine at 7 p.m.; and sheep at 7:30 p.m. Dairy and swine will be sold in the small arena and beef and sheep in an improvised arena in the poultry barn in the Farm Show Complex.

Pointing out the need for the $900,000 facility, Heddleson notes that the growth of student interest in agriculture has placed stress on already inadequate facilities. The Ag Arena will provide for classes and laboratories. It also will be used for various statewide shows, conferences, and sales.

"Many outstanding registered animals are consigned," the co-chairman points out. "There is a special selection of registered Holsteins including three outstanding bulls. There also is a superior selection of beef cattle, sheep and swine."

Auctioneers for the four sales are Sheep - Brubaker Livestock Marketing, West Chester; Beef - Mike Jones, LaGrange, Georgia; Swine - Harry Bachman, Annville; and Dairy - R. Charles Backus, Mexico, New York; John Merryman, Sparks, Maryland; A. Doty Remsburg, Jefferson, Maryland.

Consigners by species are:

DAIRY CATTLE — Holsteins

Weim-Sharr Farms, New Oxford Adam Lobaugh Aspers, Melvin Durboraw Gettysburg Junell Farms Rochester Elwood & Richard Smith New Enterprise Allen & Charles Baker Bedford Joseph & James Garman Osterburg Singing Brook Farms Imler; Luther O Steele New Enterprise Steve Hoover Martinsburg

Larry Kulp Martinsburg Burket Falls Farm East Freedom Thomas Kelly Tyrone Spring Lane Farm Tyrone Marcove Farm Martinsburg Russell Jones Little Meadows Alfred & Mary Sparling Troy Duane H & George D Wilcox Canton Melvin Peifer Canton Ben Jackson Columbia Cross Roads Walter B Wurster Ottsville

Scott W Kummer Evans City Wade Cooper Slippery Rock Pa State University University Park Tussey View Farm Centre Hall Neer Associates Centre Hall Raymond & Richard Coursen Spring Mills, Emil Peters Port Matilda Richard Graham Port Matilda Paul Hartle Bellefonte, Joseph Hartle Jr Bellefonte Paul Vonada, Howard

Douglas J Hershey & Michael D Weimer State College, Jay Houser, Spring Mills Robert & Jane Pepple Oxford, William Moore Chatham, Lloyd & Joanne Miller Mayport Howard Smith II Mayport Snyder Valley Farms Parker; Rynd Home Farm Cochranton Robert A & Barbara J Freyermuth Meadville Robert Morrell Cochranton

A Jay Farm Spartansburg Robert Strock Mechanicsburg Fred Potteiger Carlisle Paul Strock Mechanicsburg, Thomas Sheaffer Carlisle Ashcombe Farm Dairy Inc Mechanicsburg John Hertzler Elizabethtown Stoneylawn Farm Middletown Paul M Lytle Jr Middletown Robert J Schaffer Elizabethville

Em Tram Inc Elizabethtown Theodore Small Chambersburg H C Gabler Chambersburg Harold & Betty Wenger Shippensburg Wit Lane Farm Mercersburg E W & J C Brake Mercersburg Edgar S Reichard Chambersburg Glen F Peachey Petersburg John G Gilliland Warriors Mark E James McMath Shirleysburg

Terry & Jane Branstetter Tyrone R Wayne Harpster PA Furnace Sidney & Margaret Ormsby Tyrone Harold & Norman Davis Huntingdon Willard J Yoder Huntingdon S F & Marian Metz Mifflintown William Pepples Mifflintown Jay Landis Lancaster Robert Kauffman Peach Bottom J Robert Kindig Conestoga

Dr Alan McCauley Elizabethtown Howard B Weiss Myerstown Larry L Moyer Lebanon Ferndale Farms Lebanon Dale Hostetter Annville Lester Poust Muncy Roy Schultz Muncy Larry Stratton Smethport William P Ford Lewistown Freddy Hill Farm Lansdale

Twin Gap Farm Ltd Mt Bethel Keystone Farm Easton K H & T E Boyer & C E & A E

AG ARENA BENEFIT SALE

11, 1981

Sale To Be Held At FARM SHOW COMPLEX
Harrisburg, PA

LE - 12:00 Noon

UALITY BREEDING TOCK

Consisting of:
- 6 bulls
- 44 heifers
- 5 cows
- 3 embryo recipients
- 10 lots of semen from internationally famous sires

ET AND/OR SERVICE OF:

Charolais, (4 lots): GK Iron Man Caprice 127P, PS Sir Sam 065, RCC Royal Destinction, RCC Royal Mischief.

Limousin, (3 lots): Four Square Herbie, Keystone Commander, Keystone King Kesar 15K.

Chianina, (7 lots): Garibaldi, Rossini, VF Prospector.

Belted Galloway, (4 lots): Aldermere Mark, Swatara Springs Shenango.

SHEEP SALE - 7:30 P.M.

35 HEAD
5 Yearling Rams, 5 Ram Lambs,
5 Yearling Ewes, 20 Ewe Lambs

SOME OUTSTANDING BLOODLINES:

SUFFOLK
George Bros. Kojak, Frostaire, Batie, Narrow Lane, Leader, Kelly Shroyer, Gardner, Hidden Creek, Westlake, Brewer, Kimbark, Kierland, Olsen, Penn State.

SOUTHDOWN
Snowhite, Price Bros., McCrumb

CHEVIOT
Harris Cheviot, Red Rock, Exelby, Calvert, Lakeview, Wheller, Erdenheim

MERINO
Hess, Platt, Ryant, Glimp, Clouser, and Calvert

SHROPSHIRE
Menhennett, Kirby, Hartzell, Platt, Brunges, Shober-Calvert, and Beall

HAMPSHIRE
Olsen, Heggemeier, Wilson, Van Vleck, U. of Ill., Brubaker, Spracklen, Horning Wheaton, Bischof, Sverduk, Shober and Showalter

DORSET
Anderson, Nix Besser, Staver Moore, Worth Haven, Myers, Poynter, Moorehead, Dunham, Brunges, Penn State, Cornell, Shaffner

SWINE SALE - 7:00 P.M.

BRED GILTS, OPEN GILTS AND BOARS OF EVERY BREED

- 5 Berkshire
- 8 Yorkshire
- 3 Chester White
- 4 Landrace
- 4 Poland China
- 7 Duroc
- 2 Hampshire
- 1 Babcock

COMPLIMENTARY BUFFET
3:30 to 6:00 P.M.
Small Arena, Farm Show Building

Benner Selinsgrove John Shirey Beavertown Calvin C Fisher, Selinsgrove, Lewis Berkley Berlin, North View Farm Berlin, Paul D & David P Countryman Berlin Bobwood Acres Dushore Dennis Hottenstein New Albany

Miller Page Susquehanna Harold Hartt Susquehanna, Elmer W Hoover Springville Glenn E Bowen Wellsboro Clark Bowen & Son Wellsboro Gerald Parker Liberty William J Smith Mansfield, Wayne Co Holstein Club Honesdale Leon Musser Lewisburg Sordoni Sterling Farms, Inc Harveys Lake

George Mr Knight Jr Airville Ashcombe Dover Dairy Farm, Dover, Paul R King Delta Harold Crider Chambersburg, Arthur Baxter and Edward Karpa Stoneboro, Otto Brothers Carlisle

The following semen has been donated to sell at the Ag Arena Benefit Sale: from SIRE POWER, INC., Tunkhannock, PA., 10 units of Browncroft Jetson 1721509; from ABS, Deforest, WI, 8 units of S-W-D Valiant 1650414; from SELECT SIRES, Plain City, OH, 5 units of Carlin-M Ivanhoe Bell 1667366; om ATLANTIC, Lancaster, PA, 5 units of Hilltop Apollo Ivanhoe 1399824; 5 units of Romandale Dividend Performer 1427615.

SWINE - Berkshires

D L Grumbine and Sons Myerstown Clayton Winebark Rochester Mills Arlie and Russell Cornbower New Freedom, Leon Blose Sykesville Harry Bachman Annville

Yorkshire

Leon Arnold, Lebanon, John Henkle Strasburg Charles Hall Julian, Elwood Houser Lebanon Joel Stern East Berlin Calvin H Lazarus and Sons Whitehall Lois Blose Sykesville, Penn State University

Chester White

James T Parlett R2 Airville Ed Hilderbrand R2 Biglerville

Landrace

Jay Blatt Annville Harlan Wessner R2 New Tripoli Glen Air Farms Elizabethtown Edgar Wagner Montgomery

Poland China

Charles E Griest R1 Abbottstown Hobart Muller New Oxford Clair Hartman Gratz Calvin H Lazarus and Sons Whitehall

Duroc

Mark Nestleroth Manheim Dave Holloway New Freedom Larry Arnold Lebanon Smith Hog Farm Washington Calvin H Lazarus and Sons Whitehall Clyde McConaughey Smicksburg Rodger Bankert Hanover

Hampshire

John Strawbridge Stewartstown Charles Bomgardner Annville In lieu of animals Parke and Reno Thomas will give cash

Suffolk

John Kimbark R4 Manheim Penn State University Charles D Kier Monroeton Donald Gardner Amity Kelly McConnell and Bob Weaver R1 Fredericktown Lynn D Burger R2 Kunkletown

Dorset

Penn State University Dr and Mrs Robert Herr, R2 Narvon Sally and Robert Young, R1 Canonsburg Kenneth Staver R1 Palmyra Wyoming County Sheep and Wool Growers Kelly McConnell and Bob Weaver R1 Fredericktown Mr and Mrs Paul Wissinger Sinking Springs

Cheviot

Lakeview FFA R1 Stoneboro Calvert Farm Mercer

Hampshire

Mr and Mrs Clyde Brubaker Lancaster David Sverduk, Dalton Dirk Wise R2 Spring Mills Bruce Horning Family R1 Berlin Larry Shober and Tom Calvert R1 Berlin

Merino

Charles and Barbara Platt R3 Gettysburg Calvert Farm Mercer

Shropshire

Charles and Barbara Platt R3 Gettysburg Shober and Calvert Shrapshires R1 Berlin

Cornedale

W D Chadwick R1 Hooversville

Southdown

Charles and Kay Chapman R1 Berlin Jeff Calvert, R1 Berlin

BEEF CATTLE Angus

Arbor Hill Farms Staunton VA, Bixler Ridge Farm Loysville Devereux Soleil Farm Downingtown ErReR Frms Friedens Glenair Farms Elizabethtown Huntingdon Farm Alexandria Logan Spring Farm Bellwood Longmeadow Farm Harrisburg Meadow Mist Farms Loysville, Mountain View Angus Farms Halifax

Pat Ric Farms Germansville Penn State University Univ Park South Branch Farms York Green Pastures Farm Green Park Stonylonesome Farm Stahlstown, Stornoway Farms Ligonier, Twin Oak Farms Quarryville

Polled Hereford

Atlantic Breeders Co-op Lancaster, Dunwalke Farm, Far Hills NJ Graystone Farms Schellsburg Samuel C Hunter Smithsburg MD Penn State University Univ Park Dr & Mrs Frank P Perrone Greensburg Craig Petersen Abbottstown Jerre A Price Harrisonville Spring Bottom Farms Fairfield

Simmental

Good Hope Simmental Landenberg Grandview Farms Waynesburg Indianhome Farms Jersey Shore Langdon Farms Sherwood MD Linden Farms LaGrangeville NY Rolling Ridge Farms Karns City Skytop Farm Port Matilda Hatco Simmental Farm Canton Simpson & Son Millerstown Graystone Farm York

Charolais

Bratton Charolais Farms McVeytown Penn State University Univ Park, Sunny Side Farms Selinsgrove

Limousin

Keystone Limousin Newville Line Limousin Carlisle

Chianina

Galen E Dreibelbis State College Jack H Dreibelbis Camp Hill

Belted Galloway

Grandview Farms Waynesburg Swatara Springs Farm Harrisburg

Bradford Co. DHIA

(Continued from Page D15)

Timothy Brennan					
Lil	3	5	305	21,950	816
Fern	3	3	305	18,968	786
Shawnee	3	3	305	18,249	782
Lucky	3	2	291	15,813	714
Fett	3	2	305	15,098	666
Gerald Stethers					
45	3	3	305	19,024	716
47	3	3	305	16,769	748
105	3	2	305	17,472	633
Springcroft Farm					
Topper	3	7	290	21,766	885
Prudy	3	5	305	25,911	1015
Belinda	3	4	305	20,897	792
Doty	3	4	305	27,297	921
Dixie	3	3	305	17,556	705
Nipsy	3	3	305	22,316	880
Polly	3	3	305	21,034	703
Eva	3	3	303	19,263	766
Elmer Comstock					
Emperor	3	8	305	24,684	1002
Luella	3	7	305	20,530	862
Darcie	3	4	305	23,518	893
Richard H Packard					
Beaming	3	8	302	26,128	968
Bootee	3	7	305	24,097	922
Brigett	3	4	305	23,094	912
Beamish	3	4	305	19,655	756
Bream	3	3	305	26,053	804
Benita	3	3	305	18,970	825
Beam	3	3	305	17,718	738
Rod Watson					
Camille	4	6	305	15,731	732
Fivebrooks Farm					
Pearl	3	2	305	20,223	663
Gloria	3	2	297	19,979	625
Elma	3	2	305	15,903	693
Robert H Whipple					
Mamie	3	7	305	19,998	717
Donald E Cole					
Jamie	5	2	305	15,221	663
Rodney Babcock					
25	3	9	305	20,906	760
89	3	5	305	19,135	709
2	3	1	305	18,899	737
Robert Taylor					
Fury	3	6	305	22,408	856
Karen	3	5	305	23,558	980
H W Russell & Sons					
33D	3	5	305	22,606	792
Richard B Reagan					
Fran	3	4	274	17,191	820
Frank Herman Jr					
Janine	3	8	305	21,459	741
Dolly	3	5	305	24,904	918
Richard D Wheeler					
Alison	3	5	305	17,770	716
Tricia	3	5	305	23,910	819
Steve & Carol Jenkins					
Diane	1	9	305	16,947	771
Dolly	3	7	305	19,534	875
Jody	3	8	305	18,913	932
Dotty	3	6	303	17,385	715
Wedny	3	7	305	15,710	725
Roberta	3	5	305	18,357	780
Wanita	3	3	305	20,806	777
Kit	3	3	305	16,648	706
Barb	3	2	305	17,072	734
Dale & Eileen Allis					
Joy	3	4	305	19,832	808
Sparkle	3	2	305	19,371	740
William J Smith					
Abby	3	7	305	19,009	786
Richard Jenkins					
Colleen	3	6	274	16,440	701
Art & Joan Gover					
Angie	3	6	305	19,699	838
Corinne	3	5	305	21,139	849
H W & Gladys Alderfer					
Kristen	3	5	305	18,247	788
Tige R Luv Dairies					
44	3	2	305	16,881	607
Swamont Farms					
Inka	3	10	290	19,807	763
Shelly	3	9	305	18,516	759
Ginger	3	8	305	19,993	726
Sheldon L Millard					
4	[illegible]		305	23,722	759
26	3	5	305	20,909	879
Cragle Knolls					
54	8	8	305	16,839	716
Ursula	3	4	305	17,824	730
Paul D McCoy					
20	3	8	303	19,115	774
39	3	3	305	17,641	701
Windham Valley Farm					
Maude	3	3	305	21,050	788
Pepper	3	2	305	17,647	715
Donald A Cooke					
Martha	3	6	305	16,685	713
Art & Clay Harkness					
Nadia	3	6	305	18,058	751
Ethel	3	5	302	17,571	729
Kip	3	2	302	15,327	612
Garry & Nancy Johnson					
44	3	5	305	17,658	745
19	3	5	305	20,086	764
37	3	5	305	20,858	829
100	3	4	305	21,587	963
74	3	2	305	16,907	653
Kenneth L Prince					
5257	3	8	305	23,411	929
6877	3	8	305	23,181	891
Carl McClelland					
Honey	3	3	305	20,514	821
Dale R Petty					
Nancy	3	11	305	19,359	762
Mable	3	8	305	21,641	829
Phyllis	3	6	305	21,672	721
Nina	3	4	305	19,240	766
Marsha	3	4	305	20,336	728
John Kolesar Jr					
Charmer	3	6	305	24,187	862
Clyde T Seeley					
Linda	3	4	298	17,095	705
Candid	3	2	305	17,540	636
Alan Warburton					
Lindy	3	3	304	16,503	705
George M Shell					
Liz	3	6	284	22,113	906
King	3	4	305	21,505	854
Etta	3	4	305	17,541	768
JolyW10	3	3	305	18,111	854
Gem	3	3	305	19,387	773
Carrie	3	3	305	19,007	766
Whiteye	3	2	305	20,567	783
Roxie	3	2	305	18,512	765
Wayne H Lamont					
Mitzi	3	6	305	22,918	954
Faith	3	6	305	22,263	807
Timi	3	5	305	22,987	754
Snoflak	3	4	305	24,189	887
Franny	3	3	305	22,341	901
Katie	3	3	305	21,334	765
Crystal	3	2	305	14,821	672
Babe	3	2	305	19,739	708
Bob & Tom Murray					
55	3	8	305	18,170	704
72	3	4	305	19,150	798
59	3	7	296	22,003	811
98	3	4	266	20,599	725
78	3	2	305	21,203	700
R Allen Rightmire					
Babs	3	5	305	19,946	711
Princes	3	5	305	15,860	704
Elanor	3	2	305	18,132	703
Magic	3	3	305	14,669	623
Tom & Diane Elliott					
Rachel	3	7	305	23,601	820
Kelly	3	6	305	20,121	816
Lee	3	3	305	22,619	774
Roy & Tim Beardslee					
69	3	7	305	17,671	722
Alfred Sparling					
Maggie	3	3	305	22,914	815
Janet	3	2	305	18,507	633
Bradley Haflett					
44	3	6	290	18,480	747
Lazzell Watkins					
10	3	3	291	22,326	797
Lyle Harkness					
85	3	5	305	21,350	845
Roof Farms					
Charlot	3	4	305	21,303	712
Caster	3	2	305	18,439	643
Braund Valley Farms					
Jara	3	5	284	20,498	809
Daphne	3	2	305	18,458	634
Bessie	3	2	305	17,224	650
Matt Will					
Joyce	9	8	305	18,423	773
Honi	9	6	305	25,090	975
Lynn	9	5	305	21,215	841
Edith	9	5	291	19,460	775
Candy	9	2	305	15,723	633
Vernalder Farm					
Nellie	3	9	305	17,665	709

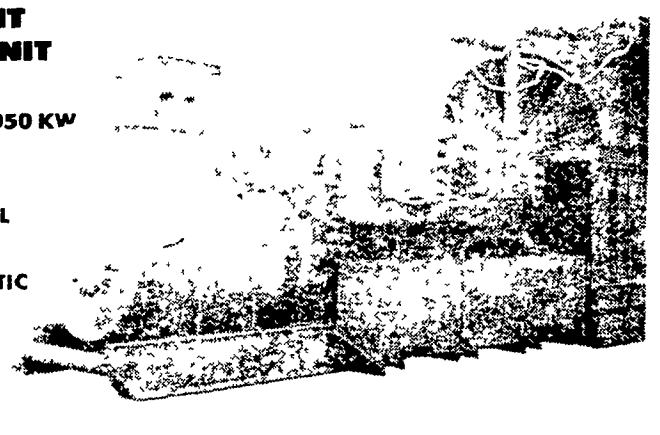
(Turn to Page D19)

ELECTRIC GENERATOR SYSTEMS

• DAIRY FARMS • POULTRY FARMS
• FARROWING HOUSES • CONTRACTORS • ETC

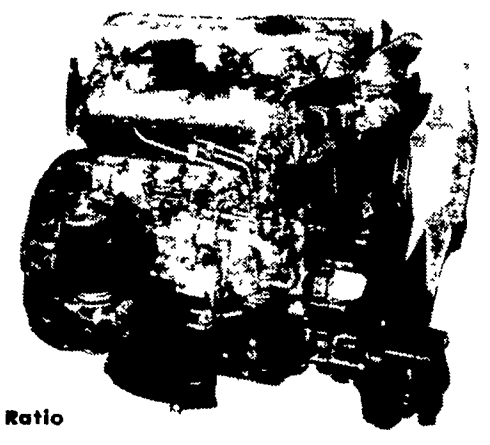
DETROIT DIESEL UNIT
SIZES
60 KW to 1050 KW

MANUAL OR AUTOMATIC



ISUZU DIESEL ENGINES

FOR AUTOMOTIVE AND INDUSTRIAL APPLICATIONS



SIZES
10 KW to 60 KW
18 HP to 211 HP
• High Speed• Low Fuel Consumption
• High Power to Weight Ratio

AUTOMOTIVE ENGINES ARE EPA APPROVED

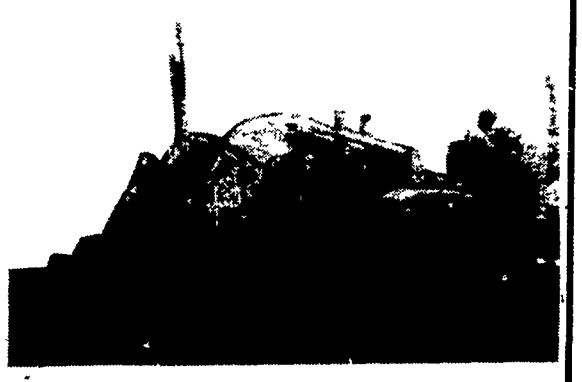
WE BUILD L.P. GAS GENERATOR SETS

REBUILT GENERATOR SETS ON HAND

15 YEARS OF EXPERIENCE

MARTIN ELECTRIC PLANTS
ISSAC W. MARTIN, OWNER
PLEASANT VALLEY RD., RD 2 EPHRATA, PA (717) 733-7968

DRAINAGE PROBLEMS?



COCALICO EQUIPMENT HAS THE TWO MACHINES TO HANDLE YOUR DRAINAGE PROBLEMS.
★ Both machines Equipped with Laser Beam Grade Control

Drainage Pays High Returns	
Investment	Typical Annual Return
Land Drainage	21-46%
Farm Buildings	3-23%
Farm Land.	11%
Stocks	7 4%
Bonds	6 1%

COMPARE
Even with the conservative figures shown here, it's obvious that land drainage should top farmers' lists of investment priorities.

★ We Stock Heavy Grade Tubing which Exceeds SCS Specifications. In sizes 4", 6", 8", 10" and 12".

NOW AVAILABLE
15" & 18" Tubing

★ Also Pipe And Fittings For Tile Outlet Terraces.

COCALICO EQUIP. CO.
DRAINAGE & EXCAVATING
RD #3, DENVER, PA 17517 PH: 215-267-3808

PENNSYLVANIA LICA

Bradford Co. DHIA

(Continued from Page D18)

Arthur D. Wolf					
24	3	3	305	19,967	732
33	3	5	305	21,566	814
Allen S Andrews					
Aggie	3	7	305	19,982	700
Pet	3	6	305	23,478	808
Cookie	3	5	305	22,430	722
Salty	3	3	305	24,777	793
James A Van Blarcom					
Carolyn	3	4	305	16,836	709
Randy Watson					
HI	3	2	305	15,423	704
Leona Holsteins					
Crissy	3	3	296	21,097	818
Joyful	3	2	305	16,824	673
Earl Browning Farm 2					
Prince	3	7	305	18,245	745
Earl Browning Farm 1					
3868	3	6	305	19,754	779
Kenneth Walters & Sons					
15	3	4	305	21,865	993
18	3	4	301	16,954	617
Robert W Cory					
68	3	0	305	18,082	718
42	3	2	305	16,735	750
Ter-Mar Farm					
Wendy	3	0	305	19,370	738
Whitey	3	7	295	16,688	712
Milton Sherman					
284	3	5	305	18,299	773
Donald L Jennings					
1638	3	3	305	17,031	723
Manleyview Farms					
Elaine	3	10	305	19,908	748
Walter G Wheaton					
68	3	3	305	23,007	700
Hopps Hill Farm					
Sue J	3	2	305	17,456	666
Ted Baldwins Dairy					
Judy	3	4	265	16,538	716
Drew & Craig Bagley					
Maple	3	7	296	18,714	722
Gary Butcher					
42	3	4	305	18,372	791
Ray & Larry Rowe					
34	3	3	278	19,481	843
Earl J. Gamble					
Corky	3	9	305	21,322	823
Diane	3	6	305	21,028	953
Dusty	3	6	295	19,636	896
Shannon	3	5	305	23,558	906
Kay	3	2	305	16,439	650
Ronald P Davis					
Gail	3	8	305	23,267	1096
Lucy	3	6	305	19,074	828
Judy	3	5	305	27,247	977
Jan	3	4	305	21,291	819
Betty Kilmer & Sons					
Nat 112	3	3	305	19,140	729
Robert Seeley					
Prilly	3	3	305	15,772	723
Greland Farms					
H Star	3	1	305	19,973	714
Donald Jennings Sr					
3	3	5	305	21,074	784
Donald Jennings Jr					
80	3	11	305	21,338	766
78	3	8	305	21,712	829
R 75	3	5	305	20,582	794
41	3	5	305	22,249	833
10	3	5	282	16,073	733
G 55	3	4	305	20,663	719
23	3	4	305	22,580	784
24	3	2	300	21,799	668
Snowcrest Farm					
Dinah	3	7	305	18,792	888
Jodi	3	6	304	17,580	760
Wilma	3	6	305	21,260	857
Janet	3	5	305	20,289	865
Liza	3	4	305	22,825	756
Lisa	3	4	305	22,104	732
Marla	3	3	305	22,479	768
Monica	3	2	299	17,627	721
Brianne	3	2	305	16,215	689
Heather	3	2	305	16,242	657
Dennis Lehman					
Carla	3	4	305	21,657	896
James Boor					
Belle	3	8	305	22,357	743
Lewis & Lois Alderson					
Dandy	3	4	305	17,546	854
W & R Vanelarcom					
35	3	4	305	17,803	799
14	3	2	305	20,306	779
Bill & Donna Earls					
Patches	3	8	305	23,924	802
Sara	3	5	305	22,310	861
Victory	3	4	305	18,981	798
Douglas Graybill					
Sally	3	3	305	21,050	872
Ingrid	3	2	289	15,197	611
Leslie Freeman					
4315	3	5	296	24,377	910
6861	3	7	290	20,696	707
7113	3	7	305	20,580	847
6906	3	8	296	21,632	748
8850	3	4	305	21,105	817
9126	3	3	296	20,021	803
David & Joyce Egge					
24	3	9	305	20,629	768
32	3	6	305	19,934	819
14A	3	6	305	16,913	739
54	3	2	304	16,179	616
Warren J Roberts					
Niner	3	8	305	24,480	969
Bruce A Andrien Sr					
Itaska	4	7	305	17,047	837
Glenn Felter					
Lucky 7	3	4	305	16,577	762
Elsbree Bros					
136	3	4	305	19 780	748
Frank Purcell					
Angel	3	6	305	19,681	793
Ronald T Painter					
96	3	5	304	19,380	740
Peck Hill Farms					
109	3	6	305	25,611	780
125	3	5	298	22,502	834
Clifton McMurray					
37	3	8	305	19,072	794
86	3	8	305	17,322	726
Gary & Donna Ayres					
86	3	2	305	16,330	609
George W Lee					
Rita	3	5	305	20,668	817
Candy	3	4	305	24,116	876
Davis Brothers					
D65	3	3	305	17,357	710
Piercehome Farms					
Duny	3	7	305	22,406	800
Ray35	3	3	277	14,044	731
Maude	3	2	305	14,533	666
Abraham S Derstine					
Ida	3	7	305	26,560	942

(Turn to Page D20)

TRIPLE H CONSTRUCTION CO.

SPECIALIZING IN DAIRY BARNS AND HOG BUILDINGS

CONSTRUCTION CO.

We Will Build To Your Needs...

Farm Buildings And Pole Buildings For Dairy, Hogs, Poultry, Storage, etc.

Contact Glenn Horst or Luke Hibshman

717-738-2142

14 N. Church Street, Ephrata, Pa. 17522

For Christmas, give

a Membership in

The Lancaster Automobile Club

34 N. PRINCE ST. AAA LANCASTER, PA.

365 days of driving pleasure

THE IDEAL GIFT

EASY TO BUY — SURE TO PLEASE

PACKAGED IN A COLORFUL HOLIDAY BOX

Dues $12.00
Entrance Fee 3.00
Total $15 00

For persons residing with a present master member the cost to join and annual dues are $10.00.

Over 69,000 Members in Lancaster County enjoy these services...

PERSONAL ACCIDENT INSURANCE

MAPS TRAVEL SERVICE

LEGAL ADVICE

LANCASTER AUTOMOBILE CLUB

Please send a CHRISTMAS GIFT membership

To _____ please print name

_____ street or rd

_____ City or Town ☆ MUST RESIDE IN LANCASTER COUNTY

INDICATE (X) HOW YOU WANT DELIVERY MADE

Send gift package direct ☐ Send to me ☐

Sender's Name _____

Address _____

Membership card number of sender * if a member _____

This application to be used for NEW MEMBERS ONLY

CHECK OR MONEY ORDER MUST ACCOMPANY APPLICATION

EMERGENCY ROAD SERVICE

BAIL BOND SERVICE

LICENSE SERVICE

BINKLEY & HURST BROS., INC.

CASH & CARRY DISCOUNT DAYS

ON PARTS & MACHINERY

BIGGER & BETTER THEN EVER

Coming The Week Of

DECEMBER 14 - 24

Watch For Details In The Dec. 12 Issue of Lancaster Farming

Refreshments Will Be Served

BINKLEY & HURST BROS., INC.

133 Rothsville Station Rd.
Lititz, PA 17543
Phone: 717-626-4705

Bradford Co. DHIA

(Continued from Page D19)

W L Huntingdon & Son					
32	3	9	305	20,274	901
Philcrest Farm					
Lou	3	4	305	22,339	730
Scott-Bryan Shedden					
9	3	6	305	21,570	839
Halstead Bros					
35	3	5	305	18,951	755
151	3	2	305	16,603	610
163	3	2	305	16,326	617
Alamont Farm					
Clara	3	6	305	16,774	704
Valerie	3	3	305	18,268	719
Duane & Patty Cole					
Sharon	3	4	305	20,937	848
Speck	3	3	305	20,329	825
Nancy K Bean					
Daffy	3	5	305	21,450	770
Posie	3	4	305	20,135	777
Eve	3	4	305	20,224	773
Windy Mont Farm					
Secarol	3	7	305	22,098	1043
Monica	3	3	305	19,084	714
Marshall M Watkins					
Hannah	3	6	305	19,871	766
Adventure Hill Farm					
Champ	3	6	305	23,038	761
Vaughn & Kathy Harkness					
61	3	7	305	19,921	887
Bugs	3	6	305	15,895	783
Scott Moore					
14	3	6	304	17,138	747
57	3	5	302	18,016	788
92	3	5	305	19,096	725
H & R Dairy Farm					
Bev	3	8	305	19,820	786
Providence Acres					
590	3	2	305	17,790	618
Thomas C Kerek					
Boots	3	7	547	58,133	2246
Sachse	3	5	497	26,062	1024
Calvin & Rick Shaffer					
26	3	10	305	18,688	775
13	3	0	305	22,287	938
33	3	6	305	19,500	819
81	3	3	305	19,480	704
Lewstone Farms					
Welfare	3	3	295	16,195	701
Larry B Wright					
Marilyn	3	5	305	20,752	754
Gary S Ferguson					
Gertrud	3	7	277	19,040	812
Parks Knoll Farms					
73	3	6	305	18,217	748
149	3	4	305	17,480	749
Pet Roypa Farm					
Esther	3	5	305	20,759	843
Stuart Wrisley					
8399	3	4	305	22,397	941
6303	3	4	305	18,705	722
4451	3	3	305	16,782	718
Melanie	3	2	305	17,822	693
6780	3	2	298	17,851	782
Abby	3	4	305	19,480	735
Madigan Farms					
Swiss	5	7	305	20,390	749
Norwood Harkness					
Chick	4	11	305	16,079	894
Romaine & Jeff Sechrist					
Linda	3	5	305	20,153	840
James & Diane Elvidge					
Roslyn	3	6	305	21,580	747
Hilda	3	6	305	17,701	862
Charo	3	6	305	20,160	771
Spooky	3	5	305	17,445	715
Sadie	3	2	305	16,733	765
Ja Jen Farms					
Promise	3	4	305	19,773	835
Merle & Leslie	3	5	305	20,285	787
Raymond A Scrivens					
56	3	8	305	17,893	731
Clarence Stevens					
Glena	3	8	301	16,527	720
Mona	3	6	305	18,421	726
James T & Betty Davis					
138	4	8	305	14,933	710
R Brown & R Ely					
Sophie	3	6	305	17,549	722

Rat poisons can hurt livestock

LANCASTER — As cooler weather sets in, rats and mice start to become more visible around farm buildings as they seek shelter from winter's winds, says Dr. Dwight Schwartz, Penn State Extension veterinarian.

Home owners and farmers often put out pesticides to get rid of rodents at this time. Many of the commonly used products for rat and mouse control contain a chemical belonging to the warfarin family of pesticides While there are many different members of this family of chemicals, they all cause death by hemorrhage.

While these products are marketed as being relatively safe for pets, livestock and humans, there is still the possibility of illness and death, especially to pets and hogs. Warfarin type poisoning is the third most common kind of toxicity reported in dogs.

On a dose per pound of body weight basis, hogs are much more sensitive to the effects of this product than rats or dogs. Only 300 milligrams in a single dose can cause uncontrollable bleeding in a 220 pound hog. Dogs and cats require five to 50 milligrams per 2.2 pounds of body weight to produce signs of poisoning.

Warfarin type pesticides are usually marketed in a grain bait which will be attractive to rodents. While dogs and cats do not usually eat grain, many cases of poisoning in pets are reported every year. Curious or hungry pets do eat things they are not expected to consume and poisoning results.

The home owner or livestock producer planning to control rodents on his/her premises should be aware of the type of pesticide which he/she is using. The material should be placed where pets and livestock cannot eat it. Licensed, commercial pesticide applicators can be helpful in controlling this sort of problem. If sickness occurs in pets or livestock, the veterinarian will need to know the kind of pesticide used in order to use the proper treatment for the poisoning.

Curious children are also poisoned each year by eating products such as these. Like all other toxic substances used on the farm or in the household, they should be kept under lock and key to protect children and other unsuspecting persons.

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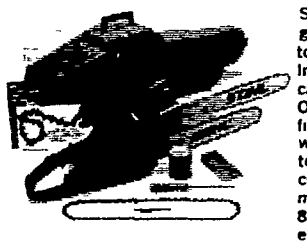
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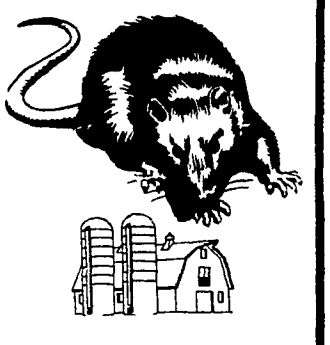
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Small farms forum

Insect control provides good news for tomato farmers

The future outlook for controlling the destructive Colorado potato beetle looks brighter now that two U.S. Department of Agriculture entomologists have found a bacterium deadly to the beetle grubs.

George E. Cantwell of USDA's Agricultural Research Service reported that a variety of the bacterium Bacillus thuringiensis killed more than 85 percent of the beetle grubs in two experimental field tests—one on potatoes, the other on tomatoes.

Weekly spraying prevented the young grubs from developing into destructive older grubs and provided almost complete protection to the plants, he said. Adult beetles were not killed but stopped feeding after about a week.

Several commercial B.t. preparations are being used to control gypsy moths, cabbage loopers and cotton pests, among others. Another species of this bacterium, commonly known as milky spore, has been used for over 35 years to control Japanese beetle grubs in lawns. However, none of these products is effective against the Colorado potato beetle, Cantwell said.

Cantwell and colleague William W. Cantelo reported their efforts to solve the Colorado potato beetle problem at the symposium on small farms research.

The beetle causes millions of dollars in annual losses to potato fields in the Northeast and Northwest and to tomato and other related vegetable plants as well.

Tomatoes are one of the leading cash crops of small farms in the Northeast, and the beetle is the insect pest of greatest concern to growers because it is rapidly becoming resistant to insecticides. Some farmers are spraying weekly when beetles are abundant, Cantelo says. While frequent spraying may protect the standing crop, it serves to accelerate beetle resistance, he cautioned.

To postpone this resistance, Cantelo is developing a model that will predict returns in yield from several different starting populations of the beetle.

"This information may enable growers to reduce pesticide treatments," he said.

The brightly colored adult beetles emerge from the ground in May and live about 30 days, feeding and producing offspring which produce more offspring. By the middle of August, the progeny of one pair of beetles could consume 45 square feet of tomato foliage a day according to laboratory feeding studies, says Cantelo.

In field studies, he used the data obtained in these feeding studies to simulate beetle damage to tomato plants. By removing foliage at the same escalating rate, he found that one pair of beetles infesting garden variety tomatoes in late May would completely defoliate 20 plants by the end of July and 60 points by mid-August.

In both cases the seasonal yield was reduced by at least 50 percent. One pair of beetles would also cause substantial seasonal losses in commercial variety tomatoes. However, beetle feeding would not be so destructive to the commercial grower because most of these varieties are generally plowed under after they produce the bulk of their crop in mid-summer before the beetle population peaks, Cantelo explained.

"Getting control over the first generation of beetles would help keep their population below damaging levels for the rest of the growing season," says Cantelo.

Farmers may soon have the option to using a biological insecticide to get early control and, at the same time, stem the insect's resistance.

Although B.t. products have not been widely accepted by farmers, probably because they are slower acting than chemical insecticides, they have several other advantages over chemical insecticides.

They are nonpolluting and can be sprayed on crops up to the time of harvest. And fruits and vegetables can be eaten right after spraying, says Cantwell. During the course of these experiments, Cantwell learned from a visiting Russian

(Turn to Page D22)

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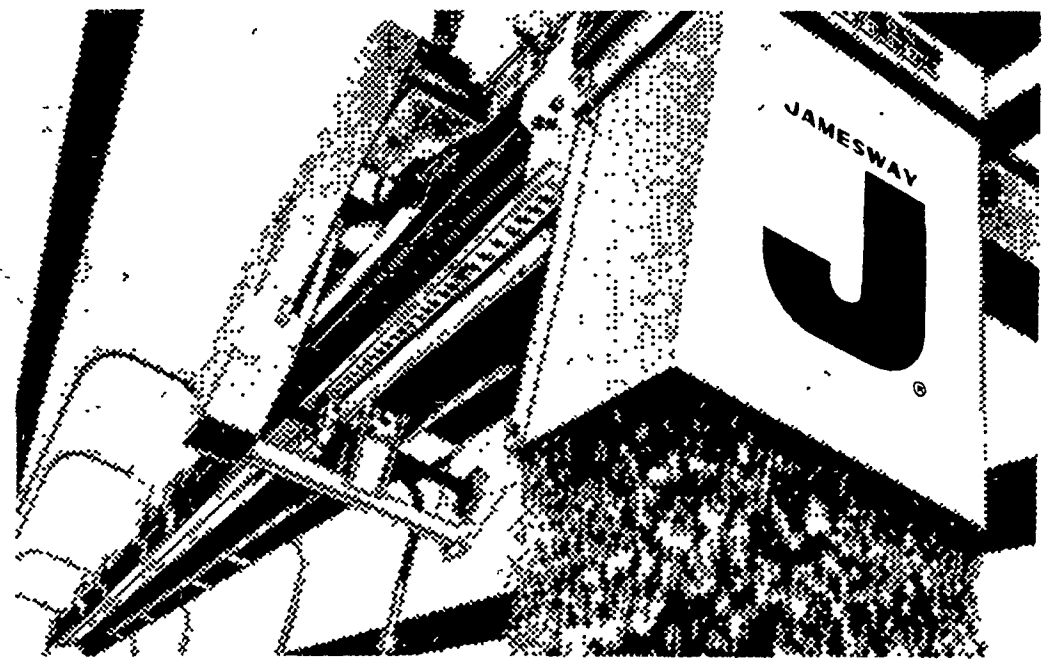

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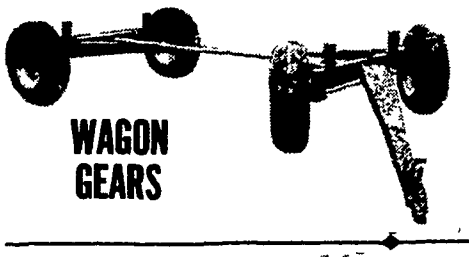

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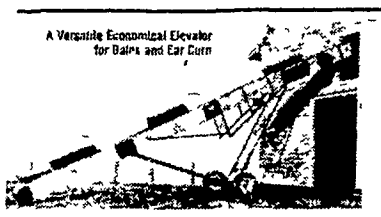

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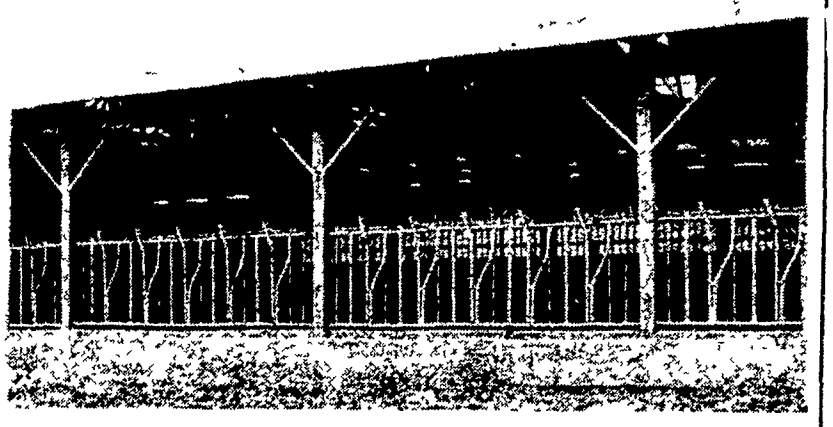

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Small farm forum

Leading horticulturist outlines research needs

Small farms always have been important to U.S. agriculture, according to a leading American horticulturist.

"There can be no question that the small farm is an economically viable unit," said Sylvan Wittwer, director of Michigan State University's Agricultural Experiment Station and an internationally recognized authority on agriculture in the U.S. and abroad.

"The world is full of such farms," Wittwer told a gathering of agricultural scientists meeting at the USDA symposium.

Emphasizing the importance of small-scale horticultural farms—which are particularly important in his home state and throughout the Northeast—Wittwer traced the development of small farms throughout the world and highlighted changes in such operations in the U S. over the past decade.

'The developing world, in particular, is a world of smallness, characterized by numerous small farms—tiny by comparison to large operations in America but similar in many ways to small-scale horticultural operations in the U.S.," Wittwer said

These farms, while small in land and capital, require relatively large labor forces. Even in the U S the majority of farm falls into the category of small-scale operations, and the current trend is toward even more small and part-time units."

These small farms, Wittwer noted, offer unique advantages for American and world agriculture.

"Such labor-intensive operations," he said, "may signal employment opportunities that previously have not been noticed, recognized or taken advantage of.

"The challenge of this symposium," Wittwer told the conference, "is to design a research agenda that will promote the productivity of small farms. At stake are the future welfare and economic viability of the many small farms throughout the U.S., other industrialized nations and developing world.

Wittwer's recommendations for research for small farms covered the following areas:

- Develop integrated energy efficient production and marketing systems that maximize production over a wide marketing period. Both high production and quality are essential.
- Design flexible energy efficient tillage, cultural, harvest, and storage equipment The challenge is to downsize and adapt. The approach is to use many equipment components as attachments on a main drive or power unit
- Seek new approaches for pest control Integrated pest management systems will become essential for the survival of most small scale enterprises. These systems will need to insure the health and safety not only of the applicator but the proximal communities and consumers.
- Provide guidelines for site assessments as to soil, water, climate, and human resources These are important both for meeting production needs and the markets to be served.
- Arrive at new and innovative schemes for financing, including long-term contracts Interest rates and operational costs are rising percepituously. Long-term investments are necessary for fruit and nursery establishments.

(Turn to Page D27)

Insect control

(Continued from Page D21)

scientist that a toxin produced by another variety of the B.t. bacterium has been used to control the Colorado potato beetle in the U S.S R. since 1972.

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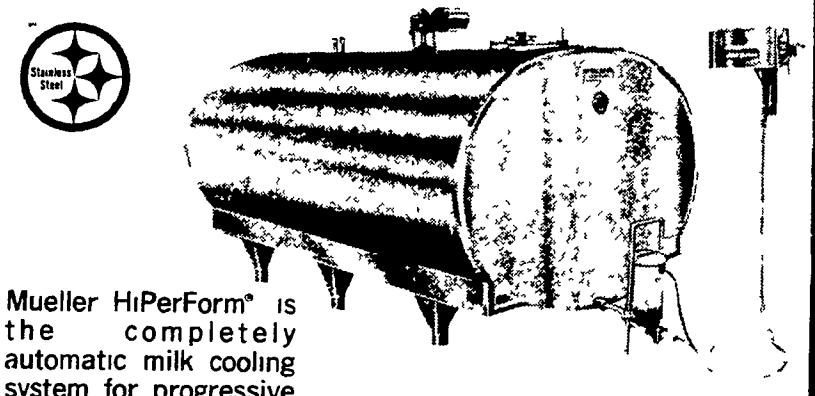

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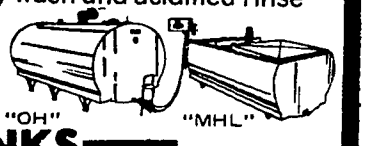

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1,500	5'4"	9'0"	7	1,388	438.00
2,000	5'4"	12'0"	7	1,735	534.00
3,000	5'4"	17'11"	7	2,432	720.00
4,000	5'4"	23'10"	7	3,130	908.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	6,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
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2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500

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4,000	5'4"	23'10"	7	3,010	400.00

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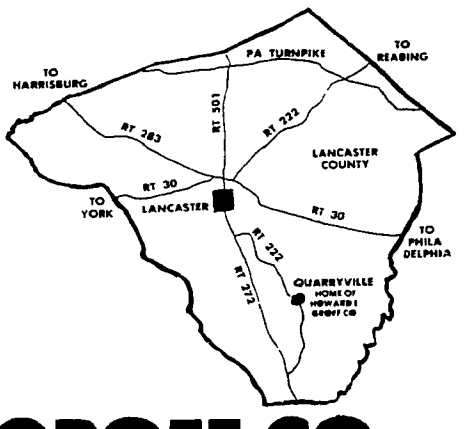

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Penn State specialist wins Extension award

UNIVERSITY PARK — Dan E. Moore, associate professor of rural sociology at Penn State has been named recipient of the 1981 Cooperative Extension Service Award.

The annual award is presented to a member of the Pennsylvania Extension staff for outstanding educational programming. Moore was honored during the recent Extension Conference held on the University Park Campus.

According to Thomas B. King, Penn State associate dean for extension, the award winner was cited for planning and conducting "Pennsylvania: The Citizens' Viewpoint," a survey of Commonwealth citizens which has made their views and concerns accessible to decision makers throughout the state.

The survey, initiated in 1979, focused on attitudes concerning housing, welfare, energy, juvenile crime, garbage disposal, teenage drug and alcohol abuse, attitudes toward state and local government, recreation, employment, and public transportation.

To select the appropriate survey questions, Moore contacted over 100 individuals and groups, ranging from local mayors and civic organizations to state legislators and the Governor's office. He also encouraged each agency and group to submit questions they saw as most important to their mission in the 1980s.

In early 1980, 20,400 Pennsylvanians received the questionnaire, a 1 in 1,000 sampling rate. Participants were randomly selected to include all age groups.

Dan E. Moore

The overall response rate for the study was 73.4 percent.

One month after the last questionnaire was received, a 16-page illustrated tabloid highlighting the results was published. The publication provided general information in broad issue areas and an invitation to interested parties to request pertinent, detailed data.

As a result, about 200 special reports have been prepared. Moore and other Extension staff members assisted in defining the survey information to appropriate groups and agencies and provided follow-up presentations and training.

The award winner also developed special reports of specific interest to the Extension Service for each region of the Commonwealth. He prepared topical reports on 4-H and family living issues and a variety of Extension program planning subjects at local and state levels.

The Governor's Office of Policy and Planning used "Citizens' Viewpoint" data in preparation of its "Choices for Pennsylvanians" document detailing and economic development and community conservation strategy for the Commonwealth.

Throughout the state, Area Agencies on Aging used survey results in annual plans to document local attitudes toward senior citizen issues.

A study of performance measurement of Pennsylvania's road system used "Citizens' Viewpoint" data to examine the correlation among rideability measures, training observer reports, administrative ratings, and citizen opinion by county.

Moore, a member of the Penn State Department of Agricultural Economics and Rural Sociology faculty since 1977, earned a bachelor of science degree from Ohio State University and master of science and doctor of philosophy degrees from the University of Wisconsin.

Third Nat'l Charolais Sale grosses $233,150

LOUISVILLE, Ky. — Gross receipts of $233,150 brought a solid $8,110 average at the Third National Charolais Sale held here Thursday, Nov. 19.

The 30 buyers from 17 states and Canada bid actively on the 28 3/4 lots in the West Sale Ring at the North American International Livestock Exposition. The sale followed the 13th National Charolais Show and included nine added lots from the show.

Topping the sale at $24,000 was a 1/4 semen interest in Hickory Lane Professor who was slapped 1981 National Grand Champion Charolais Bull just a few hours earlier. He was consigned by the Roger Hunsley family of West Lafayette, Ind., Royal Charolais Co. of Greensburg, Pa., Cec Romanelli Charolais of Bradford, Ontario, Canada, Wat-Cha Charolais of Bradford, Ontario and Ron Shada of Martelle, Iowa. Buyer was the Professor Syndicate. A May 11, 1979 summer senior yearling son of HCR Expectation 269, Hickory Lane Professor was National Reserve Champion Bull of the 12th National Charolais Show.

High-selling female was the 1981 Reserve Grand Champion Charolais Female in Louisville, Miss JXN Junior 13M. Owned in partnership by Stone-Del Farms, Hartville, Ohio, and Wagner Bros., Charolais, Harris, Sask., Canada, Stone-Del purchased full possession for $34,500.

J C Enterprises purchased 1/2 interest and 1/2 possession on a ten-month-old heifer from Adams Charolais Farms, Springfield, Ohio, for $10,000. The heifer is ACF Dottie 601 and this includes breeding privileges to any Adams Farms herd sire, including Apocalypse.

Riverwood Kickoff 1960, a November 1980 son of Riverwood Elevation 44, was purchased by Hanford Farms, Lebanon, Penn., for $15,000.

American Breeding Co., Crestwood, Ky., purchased one-half interest in two females, J Bar J Madam X 806 and Hickory Lane Camilla 65. That interest sold for $16,000.

A total of 27 females brought $185,150 for an average of $6,857. The 1 3/4 bull lots sold for $48,000, average $27,429. Altogether, the 28 3/4 lots sold for $233,150 for an average price of $8,110.

Sale manager was Buzz Garey, Morrisville, Penn.

Ag engineer retires

(Continued from Page D10)

Extension circulars, fact sheets, and journal articles plus more than 50 feature magazine articles.

A veteran of World War II and the Korean Conflict, he was active in the U.S. Army Reserve until his retirement as a colonel in 1972. He completed the Army Logistics Management course for senior officers and is a graduate of the Army's Command and General Staff College and the Industrial College of the Armed Forces.

Wooding is a member of Gamma Sigma Delta, honor society in agriculture; Alpha Epsilon, honor society in agricultural engineering; and Epsilon Sigma Phi, national honorary Extension fraternity. He is a charter member and past president of the Extension Professors Association and member of the Pennsylvania Board of Extension Professional Associations.

He and his wife, the former Ann Lightner, of Tyrone, are the parents of three children, all of whom attended Penn State.

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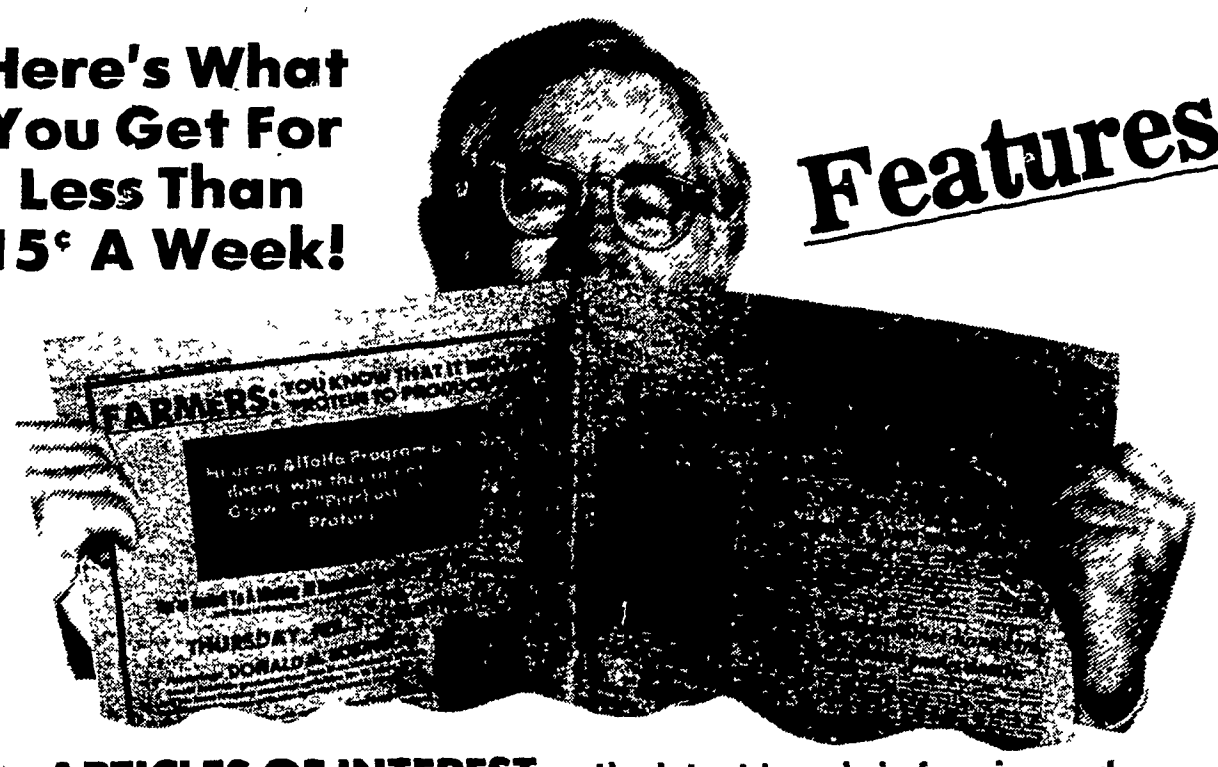

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Small farms forum

Livestock

(Continued from Page D2)

nitrogen that animals can use for growth.

In addition, citing research conducted recently in the U.S. and the Scandinavian countries, he said that adding formic acid to silage slows fermentation, thereby preserving nutrients in the silage. Further experiments are being conducted to see if these methods are practical for the small farms.

Since some forages have a low protein content and may vary in quality, a farmer often improves the growth of his forage-fed animals by supplementing their diets with limited amounts of grain, agricultural byproducts or commercially available feed additives. Further research, to determine the usefulness of feed supplements, would determine their role in small farm feeding programs, said Lynch.

As grasses mature, their nutritive value declines. Lynch reported that when Dr. S. Glenn of University of Maryland, College Park, applied a plant growth regulator, Mefluidide, to pastures in the spring, maturing of the grass was delayed. This technique has the potential of allowing grass-fed animals to make better weight gains on pasture for a longer time each season, commented Lynch.

Further research into growing livestock on forages will help the small-scale farmer supply cheaper, nutritious meat for America's dinner tables, said Lynch.

Norris

(Continued from Page D2)

society and are really subsidies to big agribusiness."

He also cited a recent U.S. Department of Agriculture report which indicated that farms reach efficiency at small or modest sizes and that "many commercial farms now exceed the size necessary to achieve all available cost efficiencies." The report further states that "society benefits little in terms of lower real food costs from further increases in farm sizes."

Norris told his audience "no broad indictment... of the community of large farmers" should be inferred from his comments. "Rather," he said, "the emphasis is on the need for constructive changes in large scale practices and on the importance of the smaller operation."

The national program proposed by Norris would be based first on a policy change that would re-direct some federal and state research funding toward small scale technological development, particularly with respect to integrated small scale production and energy generation. Statistics cited by Norris indicate that research aimed specifically at small farms at state Agricultural Experimental Stations represents less than half of one per cent of the total budget.

The other element of the national program would be a series of legislative actions designed to restore the feasibility of smaller farming units. The legislation would include:

- Increased availability of low-cost financing for small farms.
- Tax incentives designed to encourage the sale of land to small farmers.
- Tax credits for investments in agricultural centers which provide education, training and technology to small farmers.
- And the establishment of rural enterprise zones for a ten-year period: the zones would provide tax incentives and other means to stimulate the investments and other support needed to trigger the birth and profitable growth of small farms and small, rural-based businesses.

Small livestock and forage farms can use 'old-fashion' ideas

The best tool for today's small-scale livestock farmer may be up-to-date knowledge and old-fashioned savvy, according to U.S. Department of Agriculture agronomist William C. Templeton.

Templeton explained that for the creative small-scale livestocker, high energy costs and advanced technology have actually opened up options, rather than limited them.

"You don't always need lots of chemicals or the latest equipment to improve forage and livestock production," Templeton said. "For example, research shows that if seed is broadcast early in spring and existing vegetation is clipped, pastures can often be rejuvenated without sophisticated seeders and tractors."

Templeton is Director of USDA's Regional Pasture Research Laboratory in University Park. His remarks covered a broad range of forage and livestock management ideas, based on the latest research.

With increasing costs of nitrogen fertilizers, the role of legume plants — clover, alfalfa, vetch, and others — is being reassessed in forage management worldwide, because of the ability of legumes to add nitrogen to the soil, Templeton said.

Field tests have shown that pastures sown with a mixture of a grass and a legume are less weedy than pure-grass stands. Furthermore, combinations of pure-grass pastures (fertilized with nitrogen) and pastures of grass-legume mixtures provide continuous and relatively uniform livestock grazing from very early spring into early winter. In this way farmers don't need to store as much feed for winter.

Overseeding of legumes into run down or improverished pastures in humid climates can markedly improve forage production and quality. Field tests of seeding methods have shown that, without herbicide applications, yields from broadcasting legume seed can equal yields from the more energy-intensive method of drilling in the seed.

Templeton also reported that grazing and feeding trials have shown that sheep grow 25 percent faster and cattle 20 percent faster on legume-grass mixed pastures than on pure-grass stands.

Grazing two or more species of livestock together sometimes offers advantages. Cattle, sheep and goats have different diet preferences. In a current trial there seems to be a little overlap in the diets of sheep and goats. Goats tend to be useful in removing brush

For beef cattle, Templeton suggests that stocking twice as many cattle on pastures in spring, when plants grow fast, and making hay from ungrazed areas, helps insure that high amounts of feed will be eaten.

There appears to be a widespread misunderstanding among livestock producers of the real significance of "weeds", Templeton said. Some so-called weeds have nutritive values which compare favorably with those of commonly used cultivated forage plants.

Concerning soil, you can't cheat biology, Templeton said. Limestone and mineral fertilizers unfortunately are sometimes not used when soil tests clearly indicate that a change in the acidity or mineral content of the soil would make a considerable improvement in forage production.

Finally, successful livestock farming based on forages requires careful attention to both the plant and the animal aspects of the operation. Templeton said that many livestockers devote too much attention to one or the other, missing opportunities to integrate and thus improve their small-scale livestock farm.

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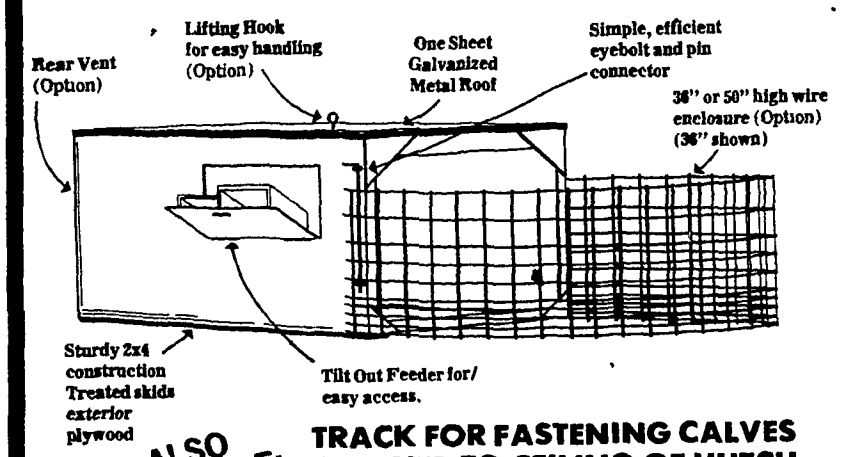
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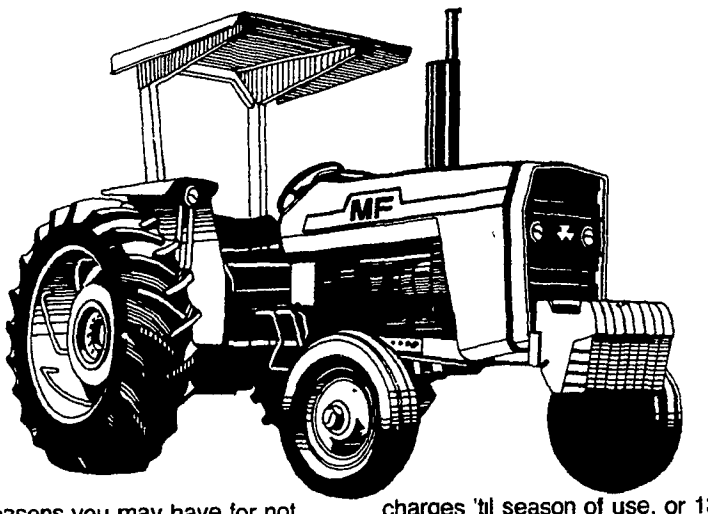

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Martin is U.S. Beef Breeds Council president

DENVER, Co. — Greg Martin has been elected president of the United States Beef Breeds Council. Martin, the executive vice president of the Denver-based North American Limousin Foundation, assumed the post during the council's meeting, held recently in Kansas City, Mo.

Martin succeeded Wendell Schronk, executive vice president of the American Brahman Breeders Association, as president of the group.

The U.S. Beef Breeds Council is composed of the chief executive officers of 14 beef breed associations. The council's purpose is to promote the economic production of high quality beef through the use of registered cattle with documented performance and ancestoral records.

The council works to expand markets for registered cattle and for the overall advancement of the beef industry. It also sponsors projects important to the purebred industry, such as the Youth Beef Industry Congress, an all-breeds youth symposium held December 4-6 in Denver, Colo.

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Miscellaneous:
Garbage cans, steel I beams, large assort. of pipe, 275 gal. oil tank, cases of soft drinks, candy, chips, scrap metal.

TERMS: Real Estate: A deposit of $10,000, cash or certified check. Write be required of purchaser at time and place of sale. 10% down payment to be made within one week of sale. All expenses to be adjusted to day of sale. All settlement costs to be borne by purchaser.
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AUCTIONEER

PGC is recognized for hunter education program

HARRISBURG — The Pennsylvania Game Commission has again been recognized for having one of the best hunter education programs in the nation.

Each year the International Association of Fish and Wildlife Agencies evaluates hunter education programs in terms of student and instructor training, training aids, program development and promotion.

The evaluation program was developed with the encouragement of the National Rifle Association, which spearheaded the growth of hunter education programs starting in 1949.

Nationally, about thirteen million hunters have received hunter education and safety training since the program began. Nearly 900,000 have been trained in Pennsylvania since the Game Commission inaugurated its training program.

Prior to 1969, about 150,000 Pennsylvania students completed the hunter education course on a voluntary basis. Since 1969, it has been mandatory for all first-time hunters under the age of 16 to complete a hunter education course before being eligible to purchase a Pennsylvania hunting license.

Both the Pennsylvania Game Commission and the Pennsylvania Federation of Sportsmen's Clubs have gone on record as favoring mandatory hunter education for all first-time hunters, regardless of age. Safety specialists believe the 65 percent decrease in the number of Pennsylvania hunting accidents in the past decade is largely due to the hunter education program.

Leafy spurge spreads across millions of acres

WASHINGTON, D.C. — The U.S. Department of Agriculture is stepping up the war against leafy spurge, a weed that has marched across 3 million acres of north central and western range and cropland and threatens 3 million more acres.

Even livestock and wild animals won't eat the weed, which can cup land productivity 40 to 70 percent and spreads across land by sending out shoots from roots three feet deep, said Terry B. Kinney, acting administrator of USDA's Agricultural Research Service.

Kinney said today the effort to bring leafy spurge under control is being stepped up with $200,000 in new funding. The money will go to land-grant universities in Wyoming, Montana and North Dakota for cooperative research on finding safe and economical control techniques.

Kinney said leafy spurge has infested 3 million acres in north central and western states. Without adequate controls, he said, the weed will continue to crowd out forage plants and take rangeland out of use for livestock.

If not halted, leafy spurge could spread over another 3 million acres in succeeding years in Wyoming, Montana and North Dakota as well as in South Dakota, Nebraska, Idaho and neighboring states.

Existing means of controlling the weed, Kinney said, are either inadequate or too costly. Leafy spurge has been difficult to suppress because it can grow new shoots from roots that penetrate as deep as three feet into the soil.

Leafy spurge has been encroaching on north central and western rangeland and cropland for more than 25 years. Infested acreage has doubled each year.

On cultivated land, however, the week can be controlled by tillage and cultivation practices, crop rotation and the use of selective herbicides in integrated weed management systems.

Warren C Shaw, national program leader for weed research, Beltsville, Md., and D. Stuart Frear, agricultural chemical research leader in Fargo, N D, both of the Agricultural Research Service, will work with state scientists in coordinating and evaluating the research.

Agricultural experiment stations in Montana State University, North Dakota State University and the University of Wyoming are cooperating in the $200,000 research project.

Shaw said this latest research will be coordinated with studies the Agricultural Research Service is undertaking to determine leafy spurge's vulnerability to control strategies and the potential use of insects to suppress the damaging weed.

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LOCATED: 1 mi. North of Manchester, Pa. turn in lane on right, (at white rock).

FARM MACHINERY

Farmall M tractor - Farmall H tractor, Farmall 200 tractor w/fast hitch, Farmall C tractor, 1972 Int. 1800 truck w/(Van body G.V.W. 33,000 lbs., 2 speed rear & air brakes), J.D. 45 Combine w/Grain Head, New Holland 69 Hay Baler, New Idea #7 Corn Picker, Little Giant elevator drag, 24 ft. elevator, New Idea Hay Conditioner w/large wheels, J.D. Killifer disc on wheels, J.D. K.B.A. Disc, Int. 3 bottom Plow, (2) New Idea Hay Rakes on Steel, Stalk Chopper with hood attachment, 3 Flat Bed wagons, 100 gal. Sprayer Tank, Int. C mower, Culti for M.H. & C, New Idea 12A Manure Spreader, Land Roller, 8 ft. Cultipacker, Oliver Superior Grain Drill, Int. Loader Model 31 for H or M, Int. 12 ft. Spring Harrow.

There are no small items on this sale. "BE ON TIME".

TERMS: CASH OR GOOD CHECK
(Full settlement sale day)

FARM CREDIT ASSN. OF YORK, PA.
AUCTIONEER:
Blaine R. Rentzel
Emigsville, Pa.
764-6412

PUBLIC AUCTION

MARTIN AUCTIONS

of Four Valuable Properties
For the Estate of
William G. Randler

MONDAY, DECEMBER 14

Number 1. 18.23 Acres of Land, in Clay Township, Lancaster County, Pa. Located along Mt. Airy Road, between Mt. Airy and Hopeland. Zoned Rural Residential.

Number 2. 10 Acres of land, in Clay Township, Lancaster County, Pa. Located just West of Mt. Airy along Church Road. Zoned Residential Low Density.

To get to Mt. Airy, take route 322 west from Ephrata to Durlach Road, turn right onto Durlach Road, 2 miles to Mt. Airy.

Auction of Clay Township properties, to be held at property No. 2, at 12:00 NOON on Monday, December 14, 1981.

Number 3. 42,295 Square Foot wooded lot, in West Cocalico Township, Lancaster County, Pa. Located along Swamp Bridge Road, between Schoeneck and Reinholds. Zoned Open Space.

Auction of West Cocalico Township lot to be held at the lot on Monday, December 14, 1981 at 2:00 p.m.

Number 4. 61.29 Acre Farm, in West Cocalico Township, Lancaster County, Pa.

Location: Take route 272 North from Ephrata to Schoeneck Road, turn north on Schoeneck Road, through Schoeneck, to Hertzog Valley Road, turn right onto Hertzog Valley Road to property on left.

To be offered in 4 parcels and as a whole.

Parcel No. 1: Consists of 25.38 Acres and Farm Improvements.

Parcel No. 2: Consists of 11.56 Acres.

Parcel No. 3: Consists of 14.6 Acres.

Parcel No. 4. Consists of 7 lots to be offered as 1 unit of 9.75 Acres.

Auction of the above Farm to be held on the Farm on Monday, December 14, 1981 at 3.00 p.m. Zoned:

Drawings of each property are posted on the premises

Terms: 10% down day of Auction, balance at **Final Settlement within 60 days.**

Inspection & Detailed Brochure Call Ephrata National Bank Trust Dept (717)-733-6576 or call Auctioneers.

Public Auction by
the Estate of William G. Randler
Ephrata National Bank Executor
Shirk, Reist & Posey, Attorneys
Auction Conducted by:
John E. and Paul E. Martin, Auctioneers
(717)-733-3511 - (717)-733-3305
Ephrata, Pa.

HARRY RUDNICK & SONS, INC.
LIVESTOCK SALES EVERY TUESDAY
GALENA, MARYLAND
Phone. (301) 648-5601

SPECIAL DAIRY SALE
TUESDAY, DECMEBER 15
At 7:00 P.M.
55 HOLSTEIN COWS & HEIFERS 55

This herd consists of 38 cows of which 28 are milking and 10 dry and close springing, 5 weaned heifer calves and 12 yearling heifers up to breeding age. The herd is nice size showing good Holstein dairy type...artifical breeding...TB & Bangs tested and accredited for out-of-state shipment. Consigned by Steve Collins of Queen Anne, Maryland, and to be sold in the Dairy Sales Barn at Galena, Maryland.

JOSEPH RUDNICK, AUCTIONEER

PUBLIC SALE
WOODSHOP EQUIPMENT, ANTIQUE HOUSEHOLD ITEMS
SAT., DEC. 12
9:30 A.M.
On the premises along West Main Street, Schaefferstown, Leb. Co.

2 H.P. Delta Shaper, 6 Special Cutters for raised panel door, Craftsman Shaper, Craftsman drill press w/mortise attachment, Craftsman 2 H.P. Radial saw, 10" DeWalt table saw w/wide extension, 6 ft. Delta lathe, 12" Craftsman band saw, 4" jointer, 10 ft. 6" Alum. brake, 16 ft. Alum. plank, 2 H.P. Binks air compressor outfit w/2 gal. pot, 5 post jacks, metal root jacks, 1 H.P. and 7/8 Stanley Routers, Rockwell router planer outfit, Combination belt & disc sander, belt and vibrating sanders, elect. block plane, Allis Chalmer B-10 tractor w/cultivator, mower and blade, 5 H.P. Roto tiller, furnace oil burner unit (like new), 3 Modene and 1 Trane heating units, acetylene torch outfit, chains, load binders, lots of bar pipe clamps, Antique 1 horse corn planter, cherry, walnut lumber.

1974 International 1700 truck w/14 ft. tilt bed, China closet (bow side), 5 leg ext. table (walnut), 6 leg cherry table, 4 leg drop leaf w/drawer, nice flat top deck, 82 Piece ADAMS Collection including Teapot and Sugar Bowl, 15 pieces early Adams, some depression, Shirley Temple set, Huber platter, agate coffee pot, glass baskets, kerosene lamps, mantel clock, coffee grinder, earthen sponge dishes, crocks, jugs, old apple peeler, string of graduated bells, adz., Underwood Olivette adding machine

Sale time 9:30 Misc. items followed by antiques, china, glass, large equipment sells last. Sale held indoors

Owner,
WARREN G. KURTZ
Aucts. Weik & Weik
Clerks - Hoover & Ogurcak
Refreshments by Parochial School

RIDGEWAY AUCTION
*** HOUSEHOLD & ANTIQUES ***
SATURDAY, DECEMBER 12, 1981
At 4:00 P.M.
R.D. #1 Palmyra, Pa. - north on Railroad St. - west on Ridge Rd.

Early period sofa (maroon color) w/4 matching chairs, green sofa bed, lounge chairs, maple cricket rocker, 2 single beds complete w/matching nightstand, single poster bed, chest of drawers, sm. stands - 1 w/inlaid top, captain's chair, sm. drop leaf table, maple dining rm. table w/4 chairs, jelly cupboard, lg. oak china closet w/oval glass door (unusual carving), 3 childs' rockers, lg. china closet w/claw feet & oval glass door (mahogany) 40" elec. range, GE apart. size auto. washer (like new), 3 burner kerosene stove, Sears kerosene heater 19,500 BTU (like new), permo stone fireplace w/andirons & elec. log burner, Singer tredle sewing machine, childs' Singer sewing machine, sm. elec. chord organ, 2 trumpets, 1 guitar, 3 elec. adding machines, Underwood typewriter, Electrolux sweeper, luggage, table & floor lamps, Aladdin kerosene table lamp, iron waffle maker, 4 jugs - one marked H. Cowden Harrisburg, German Bible, other books incl. Amish etc., Hershey Dutch Day souvenirs, Hershey coin club plates, Hershey heritage plates, Leb. Co. bank plates, Leb. Co. historical plates & pewter plates, etc., lg. coll. of Jim Beam bottles & Michter's decanters - Liberty bell w/cradle, conestoga wagon, Daniel Boone barn, 100th anniv. tele., 100th anniv. baseball, Civil War 1861-1961, Pheasant 1961, Cardinal, etc., beer trays & plastic steins, lg. hand-crafted slawcutter on legs, Ellis (one hole) corn sheller, cream separater, 2 grain cradle, 2 buggy shafts, single trees, double trees, neck yokes, 4 model T Ford coils, 2 tree saws, sm. cast iron trough, coal buckets, push mowers, rotary mower, sm. radios, 4 dr. filing cab., Christmas deco., table cloths, aprons, toys, games, baby stroller, walkers, rocker, wind up swing, complete crib, sled, sm. elec. appl., string of sleigh bells, cow bell, lg. map of Reading dated 1846, 4 qt. wooden grain measure, butter paddles, wooden step ladder, tap & die set, garden tools, Magnovox stereo.

GUNS: 12 ga. double barrel hammer gun H & R deco. 16 ga. Winchester pump gun model 1897.

Many more items too numerous to mention.
Refreshments available — not responsible for accidents.

Ralph B. Heisey, auctioneer
838-5083

Leading

(Continued from Page D22)

Seek novel strategies for marketing, including vigorous individual and collective advertising through the public media. Commodity availability from unusual sources such as farm markets, pick-your-own, and community outlets should be emphasized.

✓ Develop crop varieties and accompanying cultural technology that will maximize productivity and extend the market season. There have been remarkable achievements with strawberries for year-around production in specific locations. Great progress has also been made with apples. Similar efforts should be extended to other crops.

✓ Continue the expansion and use of resource-sparing technologies such as drip irrigation, conservation tillage, direct seeding, and allelopathic responses.

✓ Design optimal strategies for crop diversification to spread labor, utilize resources and extend the cash flow. Identify the combinations of commodities and production patterns that will most effectively utilize the available labor and optimize income.

✓ Improve the attractiveness of on-the-farm sales and pick-your-own operations. Seek the advantage of increasing consumer interest in the purchase of fresh fruits and vegetables as to tolerances of blemishes. Determine multiple uses of the same commodity for customers, superior structures for laying out pick-your-own operations.

✓ Improve social dimensions of small scale horticultural enterprises. Seek better methods of dealing with migrants and a resolution of their social and economic limitations and problems.

✓ Look to other agriculturally developed and developing nations in Western Europe and the Far East (Japan, Taiwan, People's Republic of China) for new and possibly more appropriate technologies for intensified agriculture and small-scale enterprises. These technologies could include those associated with mechanization, crop varieties, waste and by-product utilization, green manuring and crop rotation, and methods of integrated pest management.

Sale Reports

A Public Auction of antiques and household goods was held November 28 by Laura Peters, 820 E. 2nd St., Nescopeck, Pa.

Some items sold were: Side by Side Secretary, $390, Oak Washstand $225, Persian Rug $165, Gold 2½ Dollars $190 to $250, Gold 5 Dollars to $320, Silver Dollars $18 to $40 each, other 2½ Gold pieces $225 to $275 and Maytag Automatic Washer $275 and Old Belgium Flobert 22 Rifle $90.

Dan Nevius and Olen Knecht were the auctioneers.

A Public Sale was held Thanksgiving Day, Nov. 26 for the estate of Margaret Gaylor at Potties Auction between Carlisle and Shippensburg, Pa. The sale was very well attended.

Some prices included Little Brass Bucket $47.50, Picture Frames $30 to $150, Queen Anne Highboy $450, Sheridan Chest $500, Plantation Deck $700, Wicker Chair $90, Sterling Silverware Set $525, 5 pc. Dining Room Suite $400, set of 100 piece Trenton Dishes $325, Marble Top Stand $130 and 2 Drop Leaf Tables $100 each.

Carol Burruss was the auctioneer

Good's Auction
111 North Maple Ave.
Leola, PA

Hay, Straw & Grain Sales
Every Wednesday
12:00 Noon

Farm Machinery
First and Third Wednesday
January thru November
starting at 9:00
With 6 Auctioneers

Tools and Hardware
Lawn & Garden Equipment
12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

DAVID H. GOOD & SONS
RD 1 Leola, PA 17540
717-656-9558

DAIRY CATTLE SALE
Penns Valley Livestock
Auction, Inc.
Centre Hall, Pennsylvania
FRIDAY, DECEMBER 11
7:30 P.M.
65 HEAD OF DAIRY COWS AND HEIFERS
40 head of cows is from one herd in all stages of lactation and will be pregnancy checked blood and T.B. tested.
Balance of consignments will be mostly fresh and close springing cows and heifers.
More consignments welcomed.
Cattle can be delivered all day Thursday and Friday until sale time.
For Further Information Call:
(814) 238-8032 (814) 364-1705
(814) 355-7630
RESTAURANT OPEN
AUCTIONEER-Ron Gilligan

GOLDEN HARVEST SALE & GARDEN SPOT SALE
THURSDAY, DECEMBER 10
(11:00 A.M.)
LANCASTER, PA.

Sale held at the Guernsey Sale Pavilion located on Rte. 30 only 5 miles east of Lancaster, Pa.

125 REGISTERED HOLSTEINS
All tested for interstate immediate shipment. Exam for Preg.
HERE ARE A FEW OF THE GREAT ONES SELLING!!
* A third generation EX gr'dtr of Elevation. EX-91 with 20,164 M. 3.7% 782 fat and index of 1081 M. at 4 yrs. Dam is 2E-91 with 21,277 M. 782 F. 2nd dam Ex with 17,710 M. 619 F., Both gr'dams are by Astronaut. Fresh in October.
* EX "Chief" sells with 1173 F 31,577 M. 3.7% Index of +1650M. Due about sale time to Pendell Elevation Ivan. Watch for this one.
* A "VG-88" "Glendell" sells with 797 F. 20,529 M 3.8% at 2y3mo. Index of 1144 M. Fresh and gave 87.3 with 3 8% test in Oct
* 837-lb. 2 yr. dtr. of Elevation out of EX-94 show dam with 873 F. 23,820 M. Due in Jan. to Apache.
* 7 Good ones from Harry & John Thompson, Newtown, Pa. including a Milu from a 723-lb. Elevation and next dam VG-88 "Apollo". A Jet Stream from an 88 pt. dam with 838-lbs. fat. a 636-lb. young Elevation due to Jemini.
* There are many more to select from that are pictured and described in the Nov. 10 Holstein World
* Yrlg son of Jupiter out of "EX-94" Lola with 994 F. 25,770 M Next dam 3E-92 with 1167 F. Next dam a VG-86 dtr. of Ivanhoe.
* Gr. Champ Bull 1981 Spring Show of Pa. by Persuader from a VG-88 dam with 783 Fat.
* 11 mos. son of Bootmaker out of All-Pa 2 yr. 1980 with 629 F. at 2 yr. 4.2%
* Yrlg son of Conductor out of VG-86 dam with 966 F. 27293 M. at 4 yrs. Nov. fresh and over 100-lbs. Next 3 dams are all 'VG" with good records.
* We have 8 more good ready for service bulls for you to select from.

MAKE YOUR PLANS NOW TO ATTEND AND
BUY FROM THIS GREAT GROUP OF HOLSTEINS!!

Golden Harvest selected by Jay Howes, Warriors Mark, Pa. and Peter DeBlock, Jr.

R. AUSTIN BACKUS INC.
Sale Mgrs. & Auctioneers
Mexico, N.Y.

AUTOTORE'S AUCTION
SHORT NOTICE AUCTION
PRICED TO SELL
FRIDAY, DECEMBER 11
Starting at 1 P.M.
At CENTRAL HOTEL
Off route 487 North of Bloomsburg to Central Road (Turn at Camp Lavigne) located off route 487 North of Bloomsburg to Central Road (Turn at Camp Lavigne) located in Sugarloaf Twp. adjacent to Sullivan GAME LANDS. Go past Central Hotel & turn right before first bridge.
Accessible from black top road to log road, w/app. 2.5 miles of log roads. EXCELLENT hunting & fishing. Land has several springs, some timber and lots of fire wood. REMEMBER TIME & DATE. Land to be offered in two parcels-1 parcel w/app. 20 acres-2nd w/app. 150 acres.
Terms- $15,000 down day of auction balance in thirty days, buyer pays all transfer taxes. Statements made day of auction take precedence over any previously written material.
Seller,
JAMES CRIST
Auctioneers
John Autotore 717-784-3506
John Jr. 717-784-0381
Auction to take place at CENTRAL HOTEL

PUBLIC SALE
WEDNESDAY, DECEMBER 9, 1981
At 9:30 A.M.
35 HEAD 35 HEAD
HOLSTEIN HERD DISPERSAL
HORSE DRAWN
FARM EQUIPMENT
HORSES
EAR CORN - HAY -
CORN FODDER
Located in Lancaster County, PA - 7 miles south-east of Strasburg, 3 miles south-west of Gap, ½ mile north of Georgetown just off Rt. 896. Watch for signs.

DAIRY CATTLE
22 milk cows, approx. 7 due December & January, 3 fresh, balance in all stages of lactation; 12 open heifers, 6 ready to breed now, 6 yearlings, A.B.C. sired, 1 red & white. The animals have nice conformation and size, lots of potential - 30 day charts - pregnancy checked.

7 HEAD HORSES
1 pair gray mares, well broke; 3 year old blue roan mare; roan gelding lead horse; 6 year old roan mare; 7 year old general purpose part Morgan; 6 month old colt.

FARM EQUIPMENT
Oliver 16 inch single bottom trailer plow; McConnell spring tooth harrow, 3 years old; International 24 disc harrow; 8 foot single roller cultipacker; New Holland 456 7 ft. bar mower, hay controls; 5 wheel rake; John Deere hay conditioner, rubber roll; New Holland 273 baler with engine, recently overhauled; Mellinger preserve applicator; flat bed wagon, Ezee Trail gear; New Idea 223 corn picker, 1 row with Wisconsin 4 cycle engine; Farmec grain bin on gear; Vicon fertilizer spreader with small seed attachment; ground drive; New Idea 206 manure spreader; 2 John Deere corn binders, 1 with loader, 2 short carriers; 2 horse cultivator; 1 horse shovel harrow; old wagon with wooden spoke wheels; New Idea transplanter; 3 fore carts; 1 horse sleigh; scraper blade; milk cans; 175 gallon water tank on chassis; 160 gallon fuel tank with pump; approx. 3,000 tobacco lath; Wisconsin 10 h.p. engine, 2 years old; platform scales; Homelite chain saw; 72 hole metal bin with bolts, sells as 1 unit; acetylene torch gauges & hose; 27 hole wooden bolt bin; tobacco shears; tobacco press; 2 horse dump rake, like new; 20 piece socket set, ¾" drive; pulleys; wagon load small items sold first. 6 set heavy harness; collars; bridles; horse trees; 3 Surge milker units; stainless steel carrying pails; strainers; twin tubs; approx. 28 ton ear corn; approx. 10 ton alfalfa hay; approx. 300 bale corn fodder.

Terms by:
EMANUEL & ANNIE PETERSHEIM
Auctioneers:
Steve Petersheim
717-786-4624
Everett Kreider
Lunch Available

Sale Reports

A Public Sale of a 46 acre farm was held November 25 for the Ella Buch Weidler Estate along E. Main Street in Brownstown, Lanc. Co., Pa.

The farm was sold for $250,000 to Norman Kurtz of Ephrata, Pa. It included a 2½ story frame dwelling, 60 by 100 ft. bank barn, 3 story chicken house, 2-car garage and workshop.

Auctioneers were T. Glenn and Timothy G. Horst.

xxx

A Public Sale of a 120 acre farm was held November 28 for the estate of Melvin B. Caufman, 5 miles east of Chambersburg, Franklin Co.

The farm included a frame house, 80 ft. bank barn, silo, block milk house, wagon shed, implement shed, 3 story chicken house and garage sold for $280,000.

Edgar J. Stull was the auctioneer.

xxx

The Halcyon Farms Milking Herd Dispersal and Cortland Guernsey Sale was held November 28 at the Cortland Sales Pavilion on Route 41 toward McGraw. Animals from the Samuel and Helen Pickett herd and from the estate of Kenneth Masters were sold. The next Guernsey sale will be on December 12th.

The 26 head from the Halcyon herd averaged $1099 with the top two bringing $1400 each.

The 62 head of Guernseys from the Cortland Sale averaged $750 with the top being a bred heifer, daughter of Jupiter, bringing $2000. The 2nd high was a Choice daughter which brought $1450 and her baby calf sold for $230.

A.V. Zogg, Jr. was the auctioneer.

xxx

A Public Sale of butcher shop and woodworking equipment was held November 28 by Mrs. Anna Rolinski, along Route 897 between Swartzville and Reinholds, Pa.

Some prices were: Ford Tractor $840, Meat Grinder $320, Broad Axe $39, Custard Creamer $70, Gold Rim Water Set $54, Band Saw $150, Power Meat Saw $240, and Silver Dollars $13 each.

H.H. Leid Auction Service conducted the sale.

xxx

A Public Sale of antiques was held November 26 by Mark Heiser, Railroad St., Millersburg, Pa.

Some prices were: Quilts $130 to $255, Oak Sideboard $100, Round China Closet $575, Coleman Kerosene Room Stove $1, Oak Painted Desk $65, Dry Sink $300, Cedar Chest $57.50, Ladies Desk with mirror $205, Trunks $20 each, 4 Plank Bottom Chairs $15 each and 1908 Hooked Rug $37.50.

Dockey & Dockey, Auctioneers.

xxx

Public Sales Register

Closing Date - Monday, 5:00 P M of each week's publication

DECEMBER

SAT DEC 5 - 9 30 A M. Public Sale of Big Grain Farm Machinery Located in Phillipsburg, NJ. Marie Litton, Owner Colonel Fred R Daniel, Auctioneer

SAT DEC 5 9 A M 4th Annual Year-end Auction by Farmersville Equipment Inc Located in Farmersville, PA John E and Paul E Martin, Auctioneers

SAT DEC 5 - 10 A.M. Public Sale of Grain Farm Machinery Located on Hensfoot Rd, off Rt 57, opposite Wickes Lumber Co Entrance, 1½ mi east of Phillispburg, NJ, Lopatcong Twp From Rt. 22 - 78 at circle take Rt 519 North to Hensfoot Rd by Hineline Meat Plant Marie K Litton, Owner Fred R Daniel Auctioneers, Inc

SAT DEC 5 10 A M Public Sale of Farm Equipment Located on U S Rt 13, 1 mile north of Delmar, DE and 8 miles north of Salisbury, MD 4th Annaul Eastern Shore Equipment Dealer's Assn Farm Equipment Sale Pete Richardson, Auctioneer

SAT DEC 5 - Public Sale of Woodland Located in Juniata Co Long Bros, Auctioneers 717-527-4458

SAT DEC. 5 - 10 A M Public Sale of Alfalfa Processing Operation and Real Estate Located from Allentown exit of PA turnpike, take Rt 22W to Fogelsville, go south on Rt 100 thru Trexlertown to Mack Truck plant on right. Turn right 1½ mi Schoeneck Farms Inc Louis Traiman, Auctioneers

SALE EVERY TUESDAY

Graded Sale
1st Tuesday each month
2 P M
Horse Auction
2nd Saturday each month
1 P.M

FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va
703-364-1566

GAP AUCTION
FRIDAY EVE., DEC. 11
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION
CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.
OTHER DAYS BY APPOINTMENT
Call us for pick-up service
IRA STOLTZFUS & SON, Auctioneers
442-4936 or 442-8254
CONDUCTORS ALL TYPES PUBLIC SALES
NEXT SALE — JAN. 8, 1982

CONSIGNMENT AUCTION
MONDAY, DEC. 14, 1981
9:30 A.M.
★ Usual Run of Tractors, Machinery and Construction
★ Sale Starts with Christmas Selection of Tools & Tarps

WE ACCEPT CONSIGNMENTS ANYTIME

Tractors sell at approximately 2:30 followed by construction

WENGER'S FARM MACHINERY, INC.
251 S. Race Street, Myerstown, PA 17067
717-866-2135

YEAR END PUBLIC AUCTION

LAWN AND GARDEN TRACTORS
DIESEL TRACTORS - MOWERS
MOPEDS - SNOWMOBILES
TOOLS - ACCESSORIES
SATURDAY, DECEMBER 19
12:30 P.M.

LOCATION: Travel Route 322 East of Ephrata to traffic light in village of Hinkletown. Turn left to Martindale, turn left Gristmill Road and follow auction signs to auction, Lanc. Co., Pa.

NEW EQUIPMENT: Yanmar 240 4WD 24 Hp. Diesel Trac.; Yanmar 155 4 WD 15 Hp. Diesel Trac.; Satoh Mitibisiti 4WD 16½ Hp. Diesel Trac.; Massey Fer. 205 20 Hp. Diesel Trac.; 5 & 8 Hp. Front and Rear Tine Tillers; 2 Lawn Boy Mowers; 2 Garelli Mopeds; White Yard Boss 1622 16 Hp. Twin w/50" Cut; 7' x 10' Trailer and 2 Kerosene Heatmate Heaters. Category 1 & Category 0 Woods 5' Blades.

GOOD USED EQUIPMENT: B6000 Kabuto Diesel Trac. w/48" mower. JD 12 Hp. 312 Auto. w/38" Mower (like new); JD 110 w/Mower and Snowplow; 12 Hp. Massey Auto w/42" Cut; 12 Hp. Grasshopper w/44" Cut; MF 7 Hp. 34" Cut; Case 118 Hydro 8 Hp. w/34" Cut; 16 Hp. Simplicity Auto. w/Mower & Snowblower; GT 14 Wheel Horse w/3 Pt. Roto Tiller, Mower and Snow Plow; Graveley 13 Hp. Twin w/Mower; 10 Hp. Homemade High Clearance Trac. w/Cultivator; PA Tractor 7 Hp.; Allis B12 Trac. w/Mower & Snowblower, JD 68 Rider 6 Hp.; Hahn 5 Hp. 24" Snow Blower (like new); 5 Hp. Heavy Duty Self Propelled Mower; Jacobson 3½ Hp. Mulcher Mower (self-prop.); Dump Cart; 5 Hp. Tiller; JD Self Prop. Mower; SNOWMOBILES - 79 Kawasaki 440 Liquid Cool Invader (like new); 73' Scorpion 440 Super Stinger; 73' Moto Ski 440; 72' Rupp 295 Twin; 73' Ski Whiz 440 T; Ski Whiz 330S; 73' Polaris TX 340; 73' AMF 500 cc Twin Cylinder; 73' AMF Single Cylinder.

TOOLS & ACCESSORIES: Pipe Wrenches; Screw Drivers; Socket Sets; Wrench Sets; Castrol Snowmobile Oil; MF Windbreaker Jackets; New Face Shields & Goggles; Used Tires; 10 8.25-15", 12 Ply. 7.15-16" 8 Ply; 2 Tires & Wheels 8.25-20" 10 Ply.: 9.00-20" 10 Ply; 8.00-15" 4 Ply; 8.00-16" 8 Ply Plus 20 Odd Tires plus other items too numerous to mention. NOTE: A real fine selection of new and good used equipment. Don't miss this before Christmas Sale! Financing available.

TERMS BY:
LAWN CARE OF PENNA.
Daniel Z. Martin & Son
215-445-4541

Sale Conducted By:
Randal V. Kline (717) 733-1006
Lloyd H. Kreider, Auctioneers

KLINE & KREIDER AUCTIONEERS
Phone (717) 733 1006

PUBLIC SALE
OF REAL ESTATE
(3 Story Brick 3 Unit Apt. House & 2 Story Frame Barn)
FINE ANTIQUE FURNITURE — GLASSWARE & CHINA - OLD BOOKS - OLD TOOLS — FINE GOLD COINS - COIN SILVER & STERLING
1957 CHEVY
SATURDAY, DECEMBER 19, 1981
At 9:00
Located at 26 W. Main St., Strasburg, Pa. Just west of Strasburg Square.

Real Estate: 3 story brick house w/12 rms. & 3 baths House contains 3 apts. Lot size: 51' frontage by 252' depth more or less. Property will be open for inspection Sat's., Dec. 5 & 12 from 10 until 12 noon. Real Estate to be sold at 2:00.

Walnut Bachman dbl. bed; 2 fine high brass sing. beds; dbl. brass bed; fine brass light w/music stand & marble base; brass clothes tree. other furniture in walnut, Vict., Windsor, cherry, pine, oak, mahg., plank bottom, Empire etc. Othello grn. & white coal cook stove w/bun warmer; mirrors & picture frames; crockery; blue deco. butter crock; iron ashtray w/dog smoking cigar etc. Articles in iron, brass, tin, blue & gray agate, wood. Lots of old books, sheet music, post cards, campaign buttons; Xmas pins; old hats & clothing. sterling silverware; 6 coin silver spoons. 14K gold lady's Elgin watch, 14K gold pin w/blue stone & pearls; man's 17 jewel Elgin & 17 jewel Hamilton watches; gold watch chain & other jewelry. Brass trumpet & baritone horns. Oil lamp; German bisque baby; fine lg. Santa light bulb; coin spot sugar shaker; pressed glass, German, Limoges, ironstone, flint, Japan, pink, grn. & yellow Depression glass, other glassware & china not listed. Old cooking utensils. GOLD COINS: 1851 $1; 3 - $2½ (1906, 1911, 1915); 3 $5; 1875-CC $10; 1907 $10; 1882-S $20; 1895-S $20; 1924 $20 w/lettered edge. 35 silver dollars. 1806 & 1836 half dollars & other coins. Coins to be sold at 1:00

Savage 22 rifle; 1957 Chevy 2 door sedan w/straight shift. 32' wooden ext. ladder; metal wheel barrow; old hand boring mach.; 3 broad axes; post hole ax; draw knives; wooden planes & other tools NO OUT OF STATE CHECKS ACCEPTED. Food served.

Lg. Sale. 2 Auctioneers selling at 10:00

Sale by
HOWARD G. JOHNSTON ESTATE
First Nat'l. Bank of Lanc. Co.
Executors
Ranck & Ranck, Attys.
Howard Shaub Auctioneer 464-3541
and Roy C. Probst

PENN STATE AG ARENA BENEFIT SALE
DEC. 11 1981

Located at the Pa. State Farm Show Complex, Harrisburg, PA

68 LOTS OF QUALITY BREEDING STOCK NOMINATED!
One-Half of Sale Proceeds Donated to the AG ARENA BUILDING FUND At University Park Campus

24 Angus	Consisting of:
12 Polled Hereford	6 bulls
13 Simmental	44 heifers
5 Charolais	5 cows
3 Limousin	3 embryo recipients
7 Chianina	10 lots of semen from internationally famous sires
4 Belted Galloway	

FEATURING THE GET AND/OR SERVICE OF:

Angus, (18 lots): Byergos Black Revolution 36 Contact of Wye Continental, D S Band, General J J Patton, P S Franco P S Power Play Sayre Patriot, Shearbrook Shoshone
Polled Hereford, (10 lots). Enforcer Graystone Granite Graystone Hurrah Kiyiwana Spidel KF 86 Top Guy Vindicator, WSF PRL Justa Banner
Simmental, (10 lots) Abricot Fame Galant, Landon's Grant L19, Singletree Clean 622K
Charolais, (4 lots) GK Iron Man Caprice 127P PS Sir Sam 065, RCC Royal Destinction RCC Royal Mischief
Limousin, (3 lots) Four Square Herbie Keystone Commander Keystone King Kesar 15K
Chianina, (7 lots) Garibaldi Rossini, VF Prospector
Belted Galloway, (4 lots) Aldermere Mark, Swatara Springs Shenango

SCHEDULE:
DEC. 10, 6:00 P.M.- Pre-Sale Social Hour and Buffet Dinner
DEC. 11, 12:00 Noon - Sale, Farm Show Building
DEC. 11, 4:30 P.M. - Post Sale Buffet, Farm Show Building

Sale managed by the Pennsylvania Cattlemen's Association, Inc.
862 Webster Drive,
State College, PA 16801

Participating Associations PA Angus Association PA Charolais Association Colonial Charolais Association American Chianina NE Region PA Hereford Association PA Simmental Association PA Polled Hereford Association PA Shorthorn Polled Shorthorn Assn Eastern Limousin Association

Public Sales Register

SAT DEC 5 - 11 A M Public Sale of Farm Machinery Located just off Rt 301, north of Centreville, MD, take dirt service road behind Agrico Fert , ½ mi to sale site

MON DEC 7 2 P M Danville Livestock Charles and Donald McNabb, Owners Joe Jackson Jr , Auctioneer

MON DEC 7 9 30 A M and TUES DEC 8 - 9 30 A M Public Sale of Farm Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON DEC 7 9 30 A M Public Sale of Farm Machinery Located at Mankato and Grand Meadow, MN Con Clement, Owner Midwest Auction Co

TUES DEC 8 5 30 P M Farmersville Auction In Farmersville, 3 mi East of Brownstown, Lancaster County, Pa John J Rutt, Auctioneer

WED DEC 9 Public Sale of Horse Drawn Farm Machinery, Cattle and Horses Located ½ mile south of Nickel Mines Emanuel and Annie Petersheim Steve Petersheim, Auctioneer

WED DEC 9 9 30 A M Public Sale of Cattle, Farm Equipment, Horses, Corn, Hay and Corn Fodder Located in Lancaster County, PA 7 mi southeast of Strasburg, 3 mi southwest of Gap, ½ mi north of Georgetown just off Rt 896 Terms by Emanuel and Annie Petersheim Steve Petersheim and Everett Kreider, Auctioneers

WED DEC 9 11 A M Public Sale of Meat Market and Grocery Store Equipment Located at 2076 Limestone Rd , Wilmington, DE Quinn s Quality Meats Rudnick and Matas, Auctioneers

FRI DEC 11 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI DEC 11 7 30 P M Public Sale of Cattle Located at Penns Valley Livestock Auction, Inc , Centre Hall, PA Ron Gilligan, Auctioneer

FRI DEC 11 - 1 P M Public Sale of Real Estate Located off Rt 487 north of Bloomsburg to Central Rd , turn at Camp Lavigne, in Sugarloaf Twp , adjacent to Sullivan Game Lands, go past Central Hotel and turn right James Crist, Owner John and John Jr Autotore, Auctioneers

FRI DEC 11 Dairy Cow Sale including 1 load of Registered and Grade Cows and Heifers out of New England States and Canada plus 1 complete herd dispersal to be held at the Smoketown Quality Dairy Sales Co , Rt 340, 5 miles East of Lancaster and 5 miles West of Intercourse Sale by Gordon and Helen Fritz Carl Diller and Paul Snyder, Auctioneers

SAT DEC 12 10 A M Public Sale of Valuable Real Estate, Household Goods, Guns, Tools and Motorcycle Location Rt 272 south of Lancaster, 4 mi south of Buck, west onto Spring Valley Rd , at 2nd stop sign left onto Slate Hill, 1¼ mi to sale Vasilios Katsanevakis Lloyd H Kreider and Randal V Kline, Auctioneers Gary L Shirk, Apprentice

SAT DEC 12 12 P M Public Sale of Farm Land and Improvements Located on Connelly Rd , Rising Sun, MD, from PA state line, Rt 222, go south ½ mi to Connelly Rd , east 1 mi to farm From Rising Sun, go south on U S Rt 1 - 4 mi to Connelly Rd , west 1 mi to farm John M Connelly, Jr Aberdeen Sales Co , Inc , Auctioneers

SAT DEC 12 - 9 30 A M Public Sale of Woodshop Equipment and Antique Household Items Located along West Main Street, Schaefferstown, Lebanon Co Warren G Kurtz, Owner G Harvey Weik, Auctioneer

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HERD FOUNDED 1906
CONTINUOUS OFFICIAL TESTING SINCE 1917

Falcon's Flight Farms

67 Years Under the Same Family Ownership

COMPLETE DISPERSAL

Thursday, Dec. 17 • 12:30 P.M.
Pennsylvania GBA Sales Pavilion
Lancaster, Pennsylvania

Due to the untimely passing of Austin Cheney, owner, his executors have ordered the immediate dispersal of the entire Falcon's Flight herd.

60 COWS • 5 BRED HEIFERS • 9 HEIFERS JUST BRED
33 YOUNG HEIFERS & CALVES • 3 WELL-BRED YOUNG BULLS

20 Cows Due or Fresh at Sale time, Balance in all stages
Rolling Herd Ave: 11454M 4.8% 545F • Records range from 11450M to 20000M
November 1981 Appraisal Avg: 80
Most of the popular bulls are represented in this herd
The herd has been rigorously culled. Only sound, saleable cattle will be offered.
Vaccinated for Bangs, TB accredited, Bangs certified
Will be tested for anaplasmosis

PLEASE CONTACT THE SALES MANAGERS FOR FURTHER INFORMATION

THE MERRYMAN COMPANY
John B. Merryman, P.O. Box 566,
Sparks, Md. 21152, Phone 301-771-4624

PENNSYLVANIA GUERNSEY BREEDERS ASSOC ,
Lee Yost, 2497 Lincoln Hwy. E., Lancaster 17602.
Phone 717-299-8955 or 761-5885.

Self & Danoff Attorneys At Law
Gerald Danoff, Trustee
Painter's Mill Professional Building
Owings Mills, Maryland 21117

TRUSTEE'S SALE

In Bankruptcy

HIGHLY VALUABLE FARM LAND & IMPROVEMENTS

LOCATED IN RISING SUN, CECIL CO., MARYLAND. TOTALING 795 ACRES, more or less, presently ZONED A-R; detailed as follows:

Sale on the premises at main complex; see directions below.

SATURDAY, DECEMBER 12

12:00 P.M. Sharp

Pursuant to Notice of Hearing in the U.S. Bankruptcy Court for the District of Maryland, In Re: John M. Connelly, Jr., Case No. 81-2-0820, the undersigned Trustee will sell at public auction the following real estate and improvements, free and clear of all liens, located on Connelly Road, Rising Sun, Md. From Pa. state line, Rt. 222, go south ½ mi. to Connelly Road, east 1 mi. to farm. From Rising Sun, go south on U.S. Rt. 1-4 mi. to Connelly Road, west 1 mi. to farm.

PARCEL 1. This parcel consists of approx. 184.5 acres, more or less, of which 138 acres, more or less, is highly tillable; the balance being wooded or partially cleared. This parcel fronts on Connelly Road and there are no improvements.

PARCEL 2. This parcel consists of approx. 127 acres, more or less, of which 96 acres, more or less, is highly tillable; balance is wooded. Parcel fronts on Bridge and Quarry Road.

IMPROVEMENTS: 1. 1 story frame house, very old, in fair condition, with living rm., lg. kitchen, 3 bedrms., space heater & well water. 2. Frame barn approx. 2500 sq. ft. in poor condition. 3. Frame barn approx. 2300 sq. ft. in good condition.

PARCEL 3. This parcel consists of approx. 258 acres, more or less, of which 194 acres, more or less, is highly tillable ground. Remainder is in woods or pasture with possibility of farm use for a portion thereof. Fronts on Connelly Road.

IMPROVEMENTS: 1. Surge triple 4 triangle milking parlor completed in January 1981; new, modern dairy. 2. DeLaval double six Herringbone milking parlor with large dairy. 3. 3 stall milking parlor. 4. Free stall barns with capacity for 500 cows; concrete under foot. This complex was designed for 5 groups of cattle with water and feed facilities for each group. Mow storage for approx. 400-500 tons of hay or straw available. 5. Manure holding pond. 6. Older building with drive-thru, corn cribs each side & storage area. 7. Concrete block bldg. used for repairs and shop work. 8. Metal/pole machinery bldg. 9. Open pole bldg. used for round bale storage. 10. 2 wire corn cribs. 11. 1 trench silage pit/concrete bottom; cap. 6000 tons, 180x62 & 2 trench silage pits with concrete bottoms, 180x26. 12. Fickes silo 14x50 w/unloader. 13. 3 wells for water. 14. Large swimming pool with filtering system; 3 yrs. old.

PARCEL 3A: Consists of approx. 100 acres, more or less, of which 80 acres, more or less, is highly tillable; remainder in woods or pasture. Fronts on Roop Road.

IMPROVEMENTS: 1. 2 story brick home in good condition; full basement, oil heat, well water. House contains living rm. with fire place, dining rm., kitchen, 5 bedrms., 1 bath. 2. Brick spring house. 3. Wooden bank barn.

PARCEL 4: Consists of approx. 122 acres, more or less, of which approx. 92 acres, more or less, is highly tillable; balance in woods and pasture.

IMPROVEMENTS: 1. Modern concrete block stantion-type dairy barn with stalls; large cap. mow storage. 2. Double silo 12x50 with unloader. 3. Patz barn cleaner. 4. Concrete block dairy. 5. Pole shed for small calves. 6. Open type barn for heifers or dry cows. 7. Frame 2 story home in good condition consisting of living rm., dining rm., new kitchen, 5 bedrms., 1 bath & utility rm.; oil heat, well water. 8. Small frame barn in fair condition. 9. Small frame storage bldg.

PARCEL 5: Consists of approx. 4.65 acres, more or less, of unimproved land fronting on and accessible to U.S. Rt.1.

PARCEL 6: Consists of approx. 1.16 acres, more or less, fronting on Connelly Road.

IMPROVEMENTS: 1 story frame home in excellent condition with 1 car frame garage. Home consists of living rm. with fire place, dining rm., kitchen, utility rm., 2 lg. bedrms., 1 bath, full basement, oil heat, & well water. Subject to Life Estate of Fred & Ruth Connelly.

PARCEL 6A: Consists of 1 acre, more or less, with the following improvements: Very old stone & stucco home in very good condition; consisting of living rm. with fire place, dining rm., lg. kitchen, utility rm., bath & enclosed porch on 1st floor. Second Floor: 5 bedrms., (1 with fire place), & bath. Triple car port and front porch. Subject to Life Estate of John Connelly, Sr.

PLEASE NOTE: After all parcels have been offered, the bids will be held in reserve and the entire tract will be offered as a whole and will be sold in the manner producing the greater amount.

TERMS OF SALE: A deposit of 10% in cash or certified check will be required of the purchaser(s) at time and place of sale. Balance due in cash at time of settlement which must occur within 30 days following the sale. Interest to be paid on unpaid price at 12% per annum from date of sale to date of settlement. Conveyancing, recording, settlement costs and transfer tax and Documentary stamps shall be born by the purchaser.

GERALD DANOFF, Trustee
ABERDEEN SALES CO., INC.
Auctioneers
P.O. Box C
Aberdeen, Md. 21001
Phone: 301-734-6050
734-7105 Night

PLEASE NOTE: Inspection of property from Dec. 7, 1981 thru Dec. 11, 1981 between the hours of 10 A.M. & 4 P.M. or by special appointment.

CORTLAND GUERNSEY SALE

SAT. DEC. 12

at 12:30 P.M.

50 Registered Guernseys at Cortland Sales Pavilion located on Rt. 41 just off I-81 Exit 10 toward McGraw.

Sale includes several fresh or close young cows and bred heifers plus 10 started calves with a few open yearlings. Daughters of Cyclone, Choice, Nobleman, Austin, Super Star, Emory and other top A.I. sires. Also a yearling son of Housleys Dari Fayvor. Animals include: Graystone Super Lydia by Super Star fresh Nov. 9; Graystone Super Suzann by Super Star due after the sale; Fern-wood Emory Dolice record 13,395 - 637 due Dec. 30 to Nobleman; Fernwood C. Mag bred heifer by Cyclone due Jan. 30; Croasdaile Mark Gaye by son of Florets Command fresh Nov. 6; Hansenarea E. Ruth by Emory two records over 10,000 lbs., due Dec. 6 to Choice; Deer Lick Mary Beth by Choice due Dec. 28; Agawam P.C. Loloy by Penn Col Glamour due in Dec.; Willow Brook Tara by son by Wistar due Dec. 17; Dardenellas Distinction Jemina two records over 16,000 lbs. due in May to Premier. James Stearns, Central Square, NY, sending 18 head including 4 cows, 4 bred heifers due in the spring, 10 open heifers and calves His wife was injured and must cut down on herd.

Tested for interstate.

Light Lunch and Trucking Available.

Sale managed by:

CORTLAND GUERNSEY SALES
Cortland, NY
Barn Phone - 607-836-6661

Ed Townsend, Catalogs
4429 Sunset Dr.
Syracuse, NY 13215
315-492-2578
A.V. Zogg Jr., Auctioneer
Cortland, NY
William Cochran, Assisting

AUCTION

OF REAL ESTATE

SUNDAY, DECEMBER 20

at 2 P.M. sharp

Property consists of a very desirable two story frame colonial style home situated on 4.4 acres of land with a large barn and two car garage located in "Ramsey Village" Pine Creek, Pa.

The location is north of Jersey Shore along the Pine Creek road, Route #44. Watch for auction signs. This area is extremely well known for it's wonderful recreational facilities which include excellent trout fishing, swimming and boating on Pine Creek and very fine white tail deer, black bear and wild turkey hunting. Also this property is situated along the eastern side of the highway and creek and does not flood.

The frame house first floor contains a 12' x 30' living room with brick fireplace, 12' x 15' dining room, 12' x 17' kitchen, 8' x 10' pantry and powder room off the kitchen. The second floor contains four large bedrooms and bathroom. The attic contains a 13'x14' bedroom and storage room. Heating system is oil fired Iron Fireman hot air unit with two oil tanks. 52 gallon electric water heater and storm windows. This property has been surveyed recently. This is a very desirable property and should be inspected for your satisfaction.

Inspection of property: Sunday, December 6, 1981 and Sunday, December 13, 1981 from 2 to 6 P.M.

Conditions: The executors reserve the right to reject any or all bids on the real estate. 10% deposit required at time of knock down by cashier or certified check, the balance upon delivery of deed. Any other conditions will be announced day of sale.

For further information contact the auctioneers

Williamsport National Bank:
Executors for the Estate of the Late
ELIZABETH RAMSEY

Bob, Chuck & Rich Roan, Inc.
Licensed & Bonded Auctioneers
Box 118 R.D. #3
Cogan Station, Pa. 17728
Phone 717-494-0170

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

SAT DEC 12 - 4 P M Public Sale of Household and Antiques Located at RD 1, Palmyra, PA, north on Railroad St , west on Ridge Rd Ralph B Heisey, Auctioneer

SAT. DEC 12 and 19 - 9 30 A M Public Sale of Plumbing and Heating Equipment, Machines, Tools and Supplies Located at 15 Ridge Ave , Ephrata, Lancaster Co , PA John Z Fry H H Leid Auction Service

MON DEC. 14 - Public Auction of Four Valuable Properties for the Estate of William G Randler 18 23 acres and 10 acres in Clay Township and these properties will be sold at property No. 2 12 00 Noon Located just west of Mt Airy To get to Mt Airy, take Route 322 West from Ephrata to Durlach Road, turn right onto Durlach Road, 2 miles to Mt Airy. No 3 42,295 sq foot wooded lot in West Cocalico township located along Swamp Bridge Road, between Schoeneck and Reinholds This to be sold at lot at 2.00 P M No 4 61 29 Acre Farm in West Cocalico Township sold at 3 P.M Location - take route 272 North from Ephrata to Schoeneck Road, turn north on Schoeneck Road, through Schoeneck to Hertzog Valley Road, turn right onto Hertzog Valley Road to property on left Public Auction by the Estate of William G Randler, Ephrata National Bank Executor John E and Paul E Martin, Auctioneers

MON DEC 14 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON DEC 14 - 9.30 A M Consignment Sale Located at S Race St , Myerstown, Pa 17067 Sale held by Wenger's Farm Machinery, Inc

TUES and WED DEC 15 and 16 10 A M Public Sale of Assets of Fabricating Plant Located at Fox Products Co , 4720 N 18th St , Philadelphia, PA William F Comly and Son Inc , Auctioneers

TUES DEC. 15 - 7 P M Public Sale of Cattle Located at the Dairy Sales Barn at Galena, MD Joseph Rudnick, Auctioneer

THURS DEC. 17 - Monthly Cow Sale at the Melvin Kolb, Inc Sales Barn, 11342 Cragerstown, Rd , Woodsboro, Md 21798 Thomas Miller, Sales Manager, Robert Mullendore, Auctioneer

THURS DEC 17 - 12 30 P M Public Sale of Cattle Located at the Pennsylvania GBA Sales Pavilion, Lancaster, PA PA Guernsey Breeders Assoc

SAT DEC 19 - 6 30 P M Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M Lehman, owner.

SAT DEC 19 - 12 30 P M Public Sale of Lawn and Garden Tractors and Diesel Tractors, Mopeds, Mowers, Tools and Snowmobiles Located at Martindale, PA, 322 East East of Ephrata to Hinkletown traffic light, turn left to Martindale and turn left on Grist Mill Rd to auction on right Randal Kline and Lloyd Kreider, Auctioneer

SAT DEC 19 - 12 30 P M Public Sale of Lawn and Garden Tractors, Diesel Tractors, Mowers, Mopeds, Snowmobiles, Tools and Accessories Located - Travel Rt 322 East of Ephrata to traffic light in Village of Hinkletown Turn left to Martindale Turn left Gristmill Rd and follow signs to auction, Lanc Co , PA Terms by Lawn Care of Penna , Daniel Z Martin and Son Randal V Kline and Lloyd H Kreider, Auctioneers

SAT DEC 19 - 11 A M Public Sale of Antiques, Oriental Rugs, Household Goods and Car Located at 1130 Marie Avenue, Ephrata, PA Turn off Rt 322 at Hummer Rd (Lincoln Bank), drive to second block and turn left onto Marie Avenue Terms by Bruce and Emelie Dougherty T Glenn and Timothy G Horst, Auctioneer

SAT DEC 19 - 1 P M Public Sale of Real Estate Located at 26 W Main St , Strasburg PA, just west of Strasburg Square Howard G Johnston Estate Howard Shaub and Roy C Probst, Auctioneers

SUN DEC 20 - 2 P M Public Sale of Real Estate Located in Ramsey Village, Pine Creek, PA, north of Jersey Shore along the Pine Creek Road, Rt #44 Estate of Elizabeth Ramsey Bob, Chuck and Rich Roan, Inc , Auctioneers.

MON DEC 21 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON DEC 28 - 2 P M. Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

TUES DEC 29 - 11 A M. Real Estate at 1 p m Sale of 12 Acre Farm, Lumber and Misc Building Items Located along Spring Hollow Road midway between Terre Hill and Churchtown PA. Sale by Paul and Verna Sauder Nevin Martin and Lewis Groff, Auctioneers

JANUARY

FRI. JAN 1 - 9 A M Public Sale of Farm, Butcher Equipment, Household Goods, Antiques, Guns, Tools and Truck Located 1 mi off Rt 143 on Balthaser Rd between Lenhartsville and Virginville, Berks Co , PA Sale for Warren and Cleo Boyer Dennis F Wagner, Auctioneer

FRI JAN 1 - 10 A M Public Auction of 1965 Dodge auto, 1953 Dodge pickup, Lawn and Garden Tools and Shop Tools by Ruth Fasnacht, Ex of the Wm. Moyer Estate located in the village of Reinholds at Creamery Road and Lincoln Ave , Lancaster County, PA Frank and Paul Snyder, Auctioneers

JAN. 1 9 00 A M Farmersville Auction. In Farmersville, 3 mi East of Brownstown, Lancaster County, Pa. John J Rutt, Auctioneer

SAT JAN 2 - 9 A M. Public Auction of Real Estate, Household Goods and Antiques by Ruth Fasnacht, Ex of the Wm Moyer Estate located in the village of Reinholds on Main St , Lancaster County, Pa Frank and Paul Snyder, Auctioneer

MON. JAN 4 - 2 P M Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M Lehman, owner

THURS JAN 7, 1982, 9:30 A.M Dispersal of Holstein herd, hi grades & reg , horse drawn farm machinery, work horses Located 3 mi south of Strasburg Terms by Gideon B & Katie Stoltzfus Steve Petersheim, Auctioneer

FRI JAN 8 - 5 30 P.M. Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

MON JAN 11 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON and TUES JAN 11 and 12 - Public Sale of Bred Gilt. Located at the Farm Show Bldg , Harrisburg, PA, Small Arena. PA Co-op Swine Breeders Assn Harry Bachman, Auctioneer

SAT JAN 16 - 6.30 P.M Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M Lehman, owner.

MON. JAN 18 - 2 P.M Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON JAN 25 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA. Melvin M Lehman, owner.

FEBRUARY

MON FEB 1 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M Lehman, owner.

MON. FEB 8 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M Lehman, owner.

SAT. FEB. 13 - Public Sale of Farm Implements, Livestock and Household Goods. Located midway between Bowmansville and Fivepointville in Brecknock Twp , Lanc. Co , PA - turn off Rt. 625 at first road south of town, Pleasant Valley Rd , travel 1 mi. turn left on Leid Rd , 1st farm. Noah Leid, Owner. LeRoy S. Horst and Paul W. Horst, Auctioneers

MON FEB. 15 - 2 P M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner.

FRY THE PLUMBER
WAREHOUSE LIQUIDATION

2 DAY PUBLIC AUCTION

OF PLUMBING & HEATING EQUIPMENT, MACHINES, TOOLS & SUPPLIES

SAT., DECEMBER 12 & 19

AT 9:30 A.M.

ON THE PREMISES AT 15 RIDGE AVENUE, EPHRATA, LANCASTER COUNTY, PA. Our warehouse has been sold; we must clean out to the bare walls, and will offer the following for sale:

POWER EQUIPMENT: 2 E.C. & B. Crane 6" Pipe Machine Complete with Dies; G.E. 5 H.P. Induction Motor with Magnetic Starter; Gas Driven Sewer Cleaner with Steel Rods; Ken Way Jr. Electric Drain Cleaner; G.S. Large Capacity Furnace Cleaner; ½ Ton Bud-Git Electric Hoist; 1½" Jacuzzi Gas Driven Pump; Milwaukee Sawzall; Skill 5/8" Heavy Duty Electric Drill; B. & D. ½" Electric Drill; ¼" Heavy Duty Electric Drills; B. & D. Circular Saw; Jig Saw; Cement Mixer; and more. G.E. Type AK 1 Volt Ammeter.

HAND TOOLS: Toledo Threaders 2½" Thru 4"; 4 Rigid 65R 1"-2" Threaders; Rigid Pipe Wrenches Thru 4'; Strap and Chain Wrenches; Rigid Cutters; Reed Pipe Reamers Thru 2"; 2 Rigid Stand Vises; Chain Stand Vise; No. 45 Falcon Chain Wrench; 2 Wheeler No. 4 Soil Pipe Cutters; New Imperial 364A Tube Bender; Fibre Pipe Tapering Tool; Tap And Die For Skinner Irrigation; Hand Chain Hoists; Pipe Dogs; Pipe Vises Thru 6"; Rigid Chain Vises; Rope Tacklings; Wooden Winch For Digging Cesspools; 4' Antique Keen Kutter Pipe Wrench; 3 Wheel Pipe Cutters; Acetylene Hoses; Torches; and Gauges Acetylene Cutting And Welding Outfit; Turner LP Torch; 5 Prestolite Tanks; Prestolite Hoses; Torches; And Accessories; 2 LP Lead Furnaces; Gas Furnaces; Lead Pots And Ladles; Assorted Caulking Tools And Punches; Soil Test Plugs Thru 6"; Flaring Tools; Swedging Tools; Bending Springs; Wood Boring Tools; B. & D. Hole Saws With Pilot Drills; Boiler Tube Cleaning Tools; Tapered Pipe Taps Thru 3"; Hi Speed And Carbon Twist Drills; Industrial Chucks And Keys; Drill Bit Extensions; Hacksaw Frames; Blades; Craftsman ½" Tap And Die Set; Other Tap and Die Sets; Levels And Lines; Antique Stilts; Wrenches; Slating Tools; Cementing Tools; Floats And Trowels; Trench Pins; Assorted Tool Boxes; C Clamps; Light Cords; Lead Wiping Tools And Solder; Trimo Sq. Head Wrenches; Joint Runners; Sewer Rods; 40' Extension Ladders; Roof Ladders; Painters Planks; Ladder Jacks; Shovels; Rakes; Hoes; Tire Chains; Rims And Tires; Oil Burner Test Kits; and Many Other Tools.

BRASS, MALLABLE, CAST IRON, GALVANIZED, FITTINGS, VALVES, PIPE AND SUPPLIES: Lots of Jenkins, O.B., Wolworth, O.I.C., Crane Brass Check, Globe, Steam And Relief Valves; Bronze Key Stops; Curb Stops; Float Balls; Brass Bath Traps; Drum Traps; Radiator Steam Valves; Hot Water Radiator Valves & Ells; Vents; Steam Boiler Petcocks; Gauge Glass; Hose Fittings; Brass Nipples ½" Thru 2"; Copper Drainage Fittings; Dual Flo Venturi; Brass Reducing Valves; Hoffman Thermostatic Traps; Heater Unit Vents; Hi Pressure Steam Traps; Combination Boiler Feed And Relief Valves; Dole Water Mixers; Flo Control Valves; Balancing Valves; Air Eliminators; Brass Pipe And Fittings; Damper Controls; Oil Burner Controls; Thermostats; Master Controls; Cad Cell Relays; Switch Relays; Lavatory Supplies of All Kinds; Ballcocks; P.O. Plugs; Spuds; Sink Strainer; Athols Caulk And Screw Compression Drainage Fittings; ABS SWP Plastic Water Tube Thru 2"; Copper Pipe by Length 3/8" Thru 1½"; Black Steel Pipe Thru 4"; Black Cast And Mallable Fittings And Nipples 1/8" Thru 4"; Wooden Pump Rod Thru 1 5/8" And Much Much More. Some Cast Iron Radiation. All kinds of Soil Pipe And Fittings.

PUMPS, MOTORS AND REPAIRS: Assorted Lot of New and Used Motors Up to 2 H.P.; Special Circulators; Oil Burner; Jet and Submursible Pump Motors; 1 New McDonnel 420 Shallow Well Pump; All King of Cyclinders; Cup Leathers; Single And Double Leathers; Plungers And Leathers; Check Valve Assembly; Caps; Working Barrels; Assorted V Belts; Goulds And Myers Deep And Shallow Well Repair Parts And Kits; Jet Assembly Repairs; Line Checks Thru 4"; Old Style Foot Valves; Assorted Well Seals; Air Volume Controls; Pressure Switches; Pulleys; Couplings; Piston Rods; Clayton Mark; Myers; Jacuzzi; Simmons Brass Foot Valves; Dresser Unions And Tees; Borg Warner Water Level Controls; Lots of Other Repairs.

AUCT. NOTE: This is an opportunity to get hard to find items you may have been hunting as this business was founded in 1906.

Second Auction will be held Saturday, December 19, 1981.

Auction By:
JOHN Z. FRY
FRY THE PLUMBER
717-733-2460

H.H. Leid Auction Service
Sensenig and Fry, Clerks

Lunch Will Be Available On The Grounds

COMPLETE HOLSTEIN HERD DISPERSAL

FRIDAY, DEC. 11, 1981

12:30 P.M.

Smoketown Quality Dairy Sales Co., Rt. 340, 5 mi. East of Lancaster, 5 mi. W. of Intercourse.

35 Head Holstein Cows from John Rupert of Kirkwood, Pa.

Some fresh, some close springers, 8 to 10 cows due Jan. and Feb. Balance in all stages of lactation. There really are some good young cows in this herd. If these cows get in a nice home they will do someone a lot of good. Anyone that can use some spring or summer cows and have the room and feed should do very good with this herd. Never pushed on 16% dairy. All bred by Atlantic Breeders. Individual breeding slips with each cow. Cows checks for pregnancy. Herd certified and accredited, TB and Blood tested. Cows sold due to sickness in the family.

Herd innoculated with nasal mune. Creamery test 3.9.

Consigned by John I. & Del Fritz.

ALSO SELLING

One load of fancy Reg. & Grade cows and heifers from farm dispersals out of New England states and Canada.

Special Mention - Reg. Born 1-10-78 Willow Farm Rockman Ivanhoe - Never on test. Bred to Cobrylea Quality. Daugh. Average 18,064m. 630F. - Dams 2 yr. 3m. 305 d. 13,380m. 460F., 3 yr. 3m. 305d. 15,990m. 3.7t 592F. 4 yr. 3m. 290d. 16,690m. 567F. Grandam records up to 17,110m. 3.8t. 643F.

Reg. Born 7-10-77. Dragonway Regency - Bred to Busy Acres Lindy +1497m. Daugh. Average 17,761m. 629F. Dam out of Apostle 2 yr. 14,060m. - 3 yr. 16,120m. - 4 yr. 19,550m. Grandam records from 14,350 - 19110m.

Reg. Born 2-10-79. E-Z Acres Rocket Rogan - 90 pts. 9 yr. Daugh. Average 17,404m. 3.6t - 672F. Dam G.P. 82. 16,430m. 510F. Grandam V.G. 86 - Records over 14,000m. 581F.

Reg. Born 9-4-76 P-A Longview Big Apple. 2 yr. 9m. - 305d. 14,550m. 3.9t 565F. 3 yr. 10m. 346d. 14,199m. 4.3t. 611F. Dam - Lucky Daugh. Grandam 2 yr. 2m. 305d. 12,670m. 3.9 - 494F up to 15,610m. 555F.

Reg. Born 8-15-75 Paclamar Triune Needle - Twin G.P. 81 - Bootmaker Granddaughter. Daughters Average 16,828m. 604F. - 2 yr. 4m. 302d. 13,590. 4.3t. 579F. - 3 yr. 4m. 259d. 12,080m. 4.0t 479F. with a heifer calf by Limestone Standout Strephen +1985m. will make a 4-H heifer. Daughters Average 18,714m. 650m. - 3 yr. 4 m. 259d. 12,080m 4.0t. 479F. - Dams 2 yr. 3m. 365d. 14,990m. 3.7t 557F. 3 yr. 6m. 299d. 13,190m. 3.9t. 517F.

Reg. Born 11-5-77 - Emperor Blossom - Acres Diamond 82 pt. 3 yr. Bred to Cypress Hill Astrochief - Arlinda chief son. Daughters Average 19,888m. 729F. His dams top record 25,000m.

Reg. 5 yr. old - Roy Brook Success - G.P. 82 Bred to Arlinda Jet Stream. 2 yr. 8m. 365d. 14,531m. 3.5t. 510F. 3 yr. 10m. 332d. 16,626m. 550F. - Dam 4 yr. 288d. 16,533m. 4.0t. 665F.

Reg. Born 11-6-77 - Paclamar Astronaut - G.P. 82 Vacc. - 4-H project, shown up to yearling age. Won all shows entered, good uddered cow. Just fresh milking 60-65 lbs. 2 yr. 305d. 10,887m. 4.0t. 435F. - 3 yr. 282d. 10,393m. 4.2t. 433F. Dam- Milk & Honey Linda Fond Image. V.G. 85pts. 2 y. 11m. - 305d. 15,580m. 4.0t. 632F. - 4 yr. 11m. 284d. 20,110m. 4.1t. 815F. Six lactations, 105,000m.

Grade Holstein, 310 dys. 12,500M, bred to Prespo a NEBA bull.

Registered Paclamar Astronaut Holstein Bull born July 1980. Dam Marquis EX 92 4E, 2 to 6 yrs. 15,000 to 18,000M, 3.8 Test. 2 full sisters both Astronauts EX 93 and EX 95 with records from 21,000 to 25,000.

Registered Holstein bull born 6/16/80 Fultonway Progressor, GP 82 at 5 years. Daughters averaged 17,497M, 592F. His Dam A Gay Gypsy 3-6 290 dys. 11,890M 4.1T, 488F, 4-6 305 dys. 17,960M 3.8T 684F. GrDam Marc Marlo 15,620 to 23,000 milk, test from 3.6 to 3.8 fat up to 833.

Cows milked at regular time **Cash or good check day of sale**

Sale by
GORDON & HELEN FRITZ
717-393-0930

Carl Diller - Paul Snyder Auctioneers
Henry Kettering - Pedigrees

Lunch - Bird-in-Hand Auxiliary

Public Sales Register

Closing Date - Monday, 5.00 P.M of each week's publication

THURS FEB 18 9 30 A M Public Sale of Horse Drawn Farm Machinery Located 9 mi east of Lancaster City, PA N Harvest Rd Terms by Levi S Stoltzfus Steve Petersheim, Auct

FRI FEB 19 9 30 A M Public Sale of Cattle Located 4 mi south of the Bucks, PA in Chestnut Level Terms by Aaron and Emma Stoltzfus Steve Petersheim, Auctioneer

SAT FEB 20 6 30 P M Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT FEB 20 11 A M Public Sale of Horses Located at the Belleville Livestock Market, Belleville, PA Mark Glick, Auctioneer

MON FEB 22 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

FRI FEB 26 - 9 30 A M Public Sale of Antique Tractors, Engines, New and Used and Abused Farm Equipment New Tools and Fruit Located 10 mi east of Lancaster, 2½ mi west of New Holland, turn off of Rt 23 on S Groffdale Rd, turn left on Musser School Rd, Lancaster Co, PA Elias S Beiler Robert E Martin and Son, Auctioneers 656 7770 Frank L Steller and Blaine Rentzel

SAT FEB 27 Public Sale of Farm Equipment Located 2½ mi west of Shippensburg, PA off Rt 533 Arthur Gayman, Ralph W Horst, Auctioneer

MARCH

MON MAR 1 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

TUES MARCH 2 - Public Sale of Farm Equipment, Tools and Household Goods Located along Cabin Rd, ½ mile west of Hinkletown Aaron S and Mabel Weaver Nevin Martin and Lewis Groff, Auctioneers

WED MARCH 3 - Public Sale of Farm Machinery and Household Goods Located one mi north of Middlesex John Firtenbaugh Ralph W Horst, Auctioneer

FRI MARCH 5 9 A M Public Sale of Machinery Located at the Belleville Livestock Market, Belleville, PA Glick, Gibboney and Gilligan, Auctioneers

18th Annual Bart Twp Fire Co Sale to be held March 6, 1982 Horse Drawn and Farm Equipment, Building Material, Housewares, Antiques, Horses and Lawn Eq Also lg selection of food by ladies auxiliary Located at the fire hall in Bart Twp, Georgetown, PA

SAT MARCH 6 - Public Sale of Farm Equipment Located near Middlespring, about 1½ mi northwest of Shippensburg, PA David Weir Ralph W Horst, Auctioneer

MON. MAR 8 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON MAR 15 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT MARCH 20 6 30 P M Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT MARCH 20 - Public Sale of Farm Equipment Located near Victor, NJ Saxby Imp Co Annual Sale Ralph W Horst and Blaine Rentzel, Auctioneers

MON MAR 22 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT MARCH 27 Steve Gallant Potato Farms Complete Dispersal, Sweden Township, Potter Co, PA Sale by Pirrung's, Wayland, NY or Ulysses, PA 814 848-7421

MON MAR 29 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

APRIL

SAT APRIL 3 - Estate of Richard L Sarginger Potato Equipment Dispersal, Sweden Township, Potter Co, PA Sale by Pirrung's, Wayland, NY or Ulysses, PA 814 848 7421

MON APR 5 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON APR 12 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT APRIL 17 6 30 P M Danville Livestock Market, horse sale located Old Route 11 Danville PA Melvin M Lehman, owner

MON APR 19 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman owner

SAT APRIL 24 16th Colonial Charolais Spring Sale, at the Farmers Livestock Exchange, Winchester, VA Sponsored by the Colonial Charolais Assoc Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067

MON APR 26 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MAY

MON MAY 3 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON MAY 10 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT MAY 15 - 6 30 P M Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M Lehman, owner

MON MAY 17 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON MAY 24 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON MAY 31 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

JUNE

MON JUNE 7 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT JUNE 12 - 1982 - Colonial Invitational Sale hosted by Brattan Charolais Farm, McVeytown, PA and sponsored by the Colonial Charolais Association Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M Tuesday of each week's publication

MON JUNE 14 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville PA Melvin M Lehman, owner

SAT JUNE 19 6 30 P M Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M Lehman, owner

MON JUNE 21 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

MON JUNE 28 2 P M Danville Livestock Market, cattle and hog action Located Old Route 11, Danville, PA Melvin M Lehman, owner

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BANKRUPTCY SALE

James W. Quinn, t/a QUINN'S QUALITY MEATS, Bankruptcy No. 81-284...2076
Limestone Road, Wilmington, Del.
WEDNESDAY, DECEMBER 9, 1981
At 11 A.M.

A MODERN MEAT MARKET & GROCERY STORE EQUIPMENT...3 WALK-IN COOLERS, 4 FRIEDRICH REFRIG. DISPLAYS, FREEZERS, 2 Stainless slicers, Hobart band meat saw, 2 Hollymatic machines (grinder & patty) Wrapping and sealing Equip., TOLEDO Models 8200 & 8300 Scales and pricers, Meat cutting counters, shelving, hanging meat scale, COLDIN Meat display case, etc. etc.

INSPECT: from 9 a.m. morning of sale.

TERMS: Cash, Guaranteed funds, or personal checks approved by trustee, Full Payment and immediate removal.

Call or Write for detailed brochure:
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DAILY SALES

ON HAND THIS WEEK WE HAVE

- 1st and 2nd calf heifers. Some fresh and milking strong. Balance due in Dec. and Jan.
- Fancy Grade Cows ready to work for you.
- Select group of Purebreds, 2 to 5 years old that will add pride and production to your herd. Some springing, some fresh.
- Several good stock bulls.
- Purebred and Grade Calves.

1 Load of Big Fancy Mules Ready To Work For You.

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MEL KOLB
Res. 717-393-7459

Maryland Farm
Woodsboro, MD
301-898-7720 or
898-7663
Tom Miller, Mgr.

DAY MONTHLY COW SALE AT LANCASTER 1st THURSDAY JANUARY 7th AT 11:00 A.M. SALE

DAY MONTHLY COW SALE AT MARYLAND 3rd THURSDAY DECEMBER 17 NOON SALE

FARMERSVILLE AUCTION

TUESDAY, DECEMBER 8, 1981
5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa

Prizer kitchen range (no fire bricks); 30" Frigidaire electric range, like new, range hood, bedroom suite, Maytag wringer washer, Tricycles, sleds, recliner, medicine cabinet, double rinse tubs, cord organ, ice skates, Serta mattress, dishes, small items, etc. This is a very brief list.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
354-5095

Consignments being accepted for our New Year's Day Antique Sale.

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on the premises

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at 10 AM
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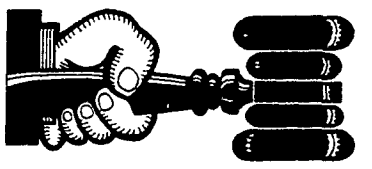

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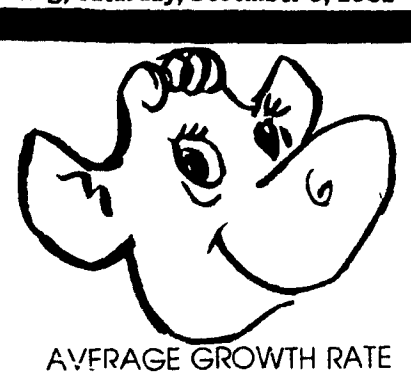
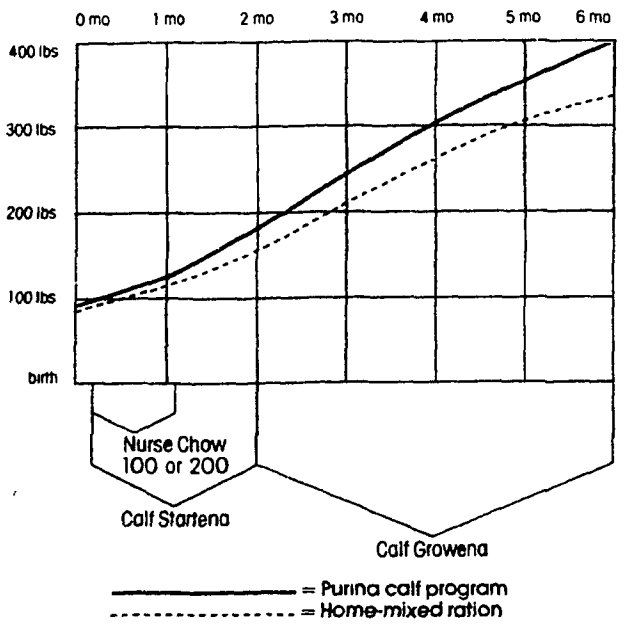
We are now listing Spring Sales.



AVERAGE GROWTH RATE



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The Purina calf program goes a long way toward developing that potential. Each product in the program is designed to promote the kind of growth and development that helps build those 400-pound heifers in 6 months. And with that type of development, they'll be well on their way to earlier calving and earlier milk income for you.

...PERFORMANCE!

HERD #1
1st CALF HEIFERS

Age	Days in Milk	Projected lbs. Milk
2-00	136	13,921
1-11	305	21,666
2-02	230	14,746
2-01	225	21,763
2-01	253	20,485
2-02	223	15,151
1-11	190	14,895
2-01	193	16,910
2-01	107	15,495
2-02	150	18,449
1-09	305	20,059
2-00	305	20,749
2-03	268	15,376
2-01	302	17,769
2-00	299	16,036
2-00	301	17,677
2-03	211	14,626
2-04	66	14,320
2-02	113	16,501
2-00	115	15,666
2-00	102	20,803
1-10	99	18,668
2-01	305	18,222
2-00	305	16,598
1-11	305	18,903
2-01		17,418

HERD #2
1st CALF HEIFERS

Age	Lbs. Milk	Lbs. Fat
2-01	18,412	492
2-01	14,758	556
2-01	13,653	509
1-11	16,399	669
2-01	16,509	592
2-03	14,380	598
2-03	12,341	456
1-11	17,865	603
2-01	17,581	603
2-00	16,881	565
2-02	20,246	657
1-11	14,150	532
1-11	16,227	619
2-00	15,084	474
2-00	16,549	534
2-01	16,507	645
2-10	17,050	588
2-00	12,841	432
2-00	16,077	638
1-11	17,559	596
2-00	16,126	574
2-03	16,843	524
2-09	18,914	597
2-01	16,215	568

HERD #3
1st CALF HEIFERS

Age	Lbs. Milk	Lbs. Fat
2-07	15,576	493
2-00	11,658	565
1-11	17,798	571
1-11	17,999	535
2-00	17,980	573
2-02	17,528	711
2-01	14,925	487
2-02	18,281	692
2-02	15,653	457
2-01	14,186	465
2-01	16,158	556

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